

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

C Number: C99027
Lock Date: 05/03/2005
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 03/26/2007

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 102923
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	Penis	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
		[Fibroadenoma TGLS = 1-21]	
		[Hyperplasia TGLS = 2-8]	
* Preputial Gland		Inflammation	Chronic, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 3-7]	
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Carcinoma	
		[Carcinoma TGLS = 4-3]	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 102924
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Cholangioma	
		Clear Cell Focus	
[Cholangioma TGLS = 2-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 3-22]			
* Nose		Foreign Body	Minimal
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 4-23]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102924

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 102925
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Mild
[Hemorrhage TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
* Pancreas		Atrophy	Moderate
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Parathyroid Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hepatocellular Adenoma TGLS = 10-23]	
		[Hepatodiaphragmatic Nodule TGLS = 9-22]	
		[Leukemia Mononuclear TGLS = 8-6]	
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-21]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-5]	
* Mammary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

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CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 4	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 102926
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Atrophy TGLS = 5-7]		Atrophy Leukemia Mononuclear	Moderate
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Moderate
* Salivary Glands		Atrophy	Mild
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-7, 2-7] [Atrophy TGLS = 3-7]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 102927
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex [Degeneration TGLS = 4-10]		Degeneration	Fatty, Marked
* Brain		Compression Necrosis	Mild Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver [Vacuolization Cytoplasmic TGLS = 6-6]	Hepatocyte	Vacuolization Cytoplasmic	Marked
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Marked
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Keratoacanthoma TGLS = 1-21]		Keratoacanthoma	
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102927

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 102928
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-21]			
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic, Marked
[Cyst TGLS = 1-8]			
[Inflammation TGLS = 1-8]			
* Skin	Subcut Tiss	Fibroma	
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102928

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = TGL 6-10]		
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
		Thrombosis	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = TGL 8-21]		
	[Leukemia Mononuclear TGLS = TGL 7-6]		
* Lung		Leukemia Mononuclear	
		Metaplasia	Osseous, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 660 HISTO: 102929
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ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7]		
	[Leukemia Mononuclear TGLS = TGL 10-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 9-5]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 5-6]		
* Stomach, Glandular		Ulcer	Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
		Thrombosis	Focal, Moderate
	[Adenoma TGLS = TGL 3-7]		
	[Atrophy TGLS = TGL 2-7]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 565

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
		Leukemia Mononuclear	
	[Compression TGLS = 9-1]		
	[Leukemia Mononuclear TGLS = 10-22]		
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
		Thrombosis	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 565 HISTO: 102930
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ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 6-7]	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland [Cyst TGLS = 2-8]		Cyst	Moderate
Mesentery [Accessory Spleen TGLS = 4-21] [Leukemia Mononuclear TGLS = 4-21]		Accessory Spleen Leukemia Mononuclear	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Prostate [Inflammation TGLS = 7-7-1]		Inflammation	Chronic, Marked
* Spleen [Leukemia Mononuclear TGLS = 3-23]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 102931
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-21]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Spleen	Lymph Follic	Hyperplasia	Moderate
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 711

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Peripheral Nerve
* Preputial Gland	* Salivary Glands	Skeletal Muscle	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia Inflammation Nephropathy	Minimal Suppurative, Minimal Mild
Note: Granulocytic cell infiltrates in the transitional epithelium and underlying collecting ducts.			
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Mild Histiocyte, Minimal
Lymph Node	Pancreatic	Hemorrhage	Mild
[Hemorrhage TGLS = 3-7]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate	Epithelium	Hyperplasia Inflammation	Mild Chronic, Marked
[Inflammation TGLS = 4-7-1]			
* Seminal Vesicle		Inflammation	Chronic, Mild
[Inflammation TGLS = 5-7]			
* Skin		Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 10	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 711 HISTO: 102932
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Marked
Tissue NOS		Hemorrhage	Mild
Note: Tissue NOS consists of adipose tissue and skeletal muscle. There are focal areas of hemorrhage and minimal chronic inflammation in the adipose tissue.			
[Hemorrhage TGLS = 6-22]			
* Urinary Bladder		Edema	Mild
		Hemorrhage	Mild
		Inflammation	Chronic, Mild
[Edema TGLS = 7-8]			
[Hemorrhage TGLS = 7-8]			

PRIMARY CAUSE OF DEATH - Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Islets, Pancreatic	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Stomach, Forestomach
* Stomach, Glandular			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
[Compression TGLS = 11-1]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 12-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102933

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-3]			
[Leukemia Mononuclear TGLS = 3-23]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 8-21]			
* Nose		Foreign Body	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 10-1]			
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 2-22]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Minimal
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
	[Cardiomyopathy TGLS = 6-12]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 7-2]		
	[Leukemia Mononuclear TGLS = 7-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 12	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 102934
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Focal, Moderate
[Hyperplasia TGLS = 8-1]			
* Preputial Gland		Inflammation Leukemia Mononuclear	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-21]			
* Stomach, Forestomach	Epithelium	Hyperplasia Ulcer	Moderate Marked
[Ulcer TGLS = 5-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-21]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
* Mammary Gland		Hyperplasia	Mild
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
Oral Mucosa		Hyperplasia	Moderate
	[Hyperplasia TGLS = 7-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102935

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hemorrhage	Mild
		Hyperplasia	Mild
		Necrosis	Focal, Minimal
[Hemorrhage TGLS = 3-6]			
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102936

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1-1]			
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		[Hyperplasia TGLS = 5-2]	
		[Infiltration Cellular TGLS = 5-2]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 4-1]	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
		[Inflammation TGLS = 1-7-1]	
* Salivary Glands		Atrophy	Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102938

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Germinal Epith

Pigmentation

Minimal

* Thyroid Gland

C Cell

Atrophy

Mild

Carcinoma

[Carcinoma TGLS = 3-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
		[Adenoma TGLS = 1-7]	
		[Atrophy TGLS = 2-7]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102939

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Accessory Spleen	
	[Accessory Spleen TGLS = 2-21]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 18

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 102940

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Note: NO CORRELATING LESION FOR TGL 3-22.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
* Mammary Gland		Cyst	Moderate
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Preputial Gland		Cyst	Moderate
		Hyperplasia	Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102941

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Epididymis	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
	Serosa	Fibrosis	Moderate
	Serosa	Pigmentation	Moderate
[Fibrosis TGLS = 6-23, 7-24]			
[Pigmentation TGLS = 6-23, 7-24]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Pigmentation	Moderate
[Hemorrhage TGLS = 8-3]			
[Hyperplasia TGLS = 8-3]			
[Pigmentation TGLS = 8-3]			
Mesentery		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102942

ORGAN AND ACCOUNTABLE SITE STATUS

[Mesothelioma Malignant TGLS = 2-21, 3-7-1]

* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 516

DOSE: 0 PPM

DISP: Natural Death

HISTO: 102943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Minimal
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
	[Hemangiosarcoma TGLS = 1-21]		
	[Hematopoietic Cell Proliferation TGLS = TGL 3-6, 3-21]		
	[Hyperplasia TGLS = TGL 3-6, 3-21]		
* Testes	Interstit Cell	Adenoma	
Tongue		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 5-22]		

PRIMARY CAUSE OF DEATH

- Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Epididymis		Granuloma Sperm	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Reticulum Cell, Marked
* Nose		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 486

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-25]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6, 7-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 10-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-22]			
[Leukemia Mononuclear TGLS = 9-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
Mesentery		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 23	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 486 HISTO: 102945
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ORGAN AND ACCOUNTABLE SITE STATUS

	Fat	Necrosis	Mild
	[Hemorrhage TGLS = 1-21]		
	[Necrosis TGLS = 1-21]		
* Pancreas		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 2-26, 3-26]		
	[Necrosis TGLS = 15-27]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 14-7]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Adrenal Medulla		Angiectasis	Mild
* Brain		Hemorrhage	Minimal
Ear	External Ear	Hemorrhage	Mild
		Inflammation	Acute, Mild
[Hemorrhage TGLS = 6-23]			
* Heart		Cardiomyopathy	Moderate
* Int Sm Ileum			
Note: lymphoid follicle in submucosa with eosinophilic proteinaceous material-amyloid			
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
		Inflammation	Chronic, Mild
Note: TGL 4-6 Abnormal fissures and lobulations are not routinely tabulated.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-22]			
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 24	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 682 HISTO: 102946
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ORGAN AND ACCOUNTABLE SITE STATUS			
[Inflammation TGLS = 1-8]			
* Prostate	Epithelium	Hyperplasia	Minimal
Skeletal Muscle		Hemorrhage	Marked
		Necrosis	Moderate
[Hemorrhage TGLS = 5-21]			
[Necrosis TGLS = 5-21]			
* Spleen	Lymph Follic	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
[Adenoma TGLS = TGL 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Skeletal Muscle Necrosis
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Osteopetrosis	Moderate
[Osteopetrosis TGLS = 2-21]			
* Brain		Compression	Mild
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Mild
	Goblet Cell	Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Prostate		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102947

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 528

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration Hemorrhage	Fatty, Moderate Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
* Bone Marrow		Squamous Cell Carcinoma	Metastatic (Lung)
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Squamous Cell Carcinoma Hyperplasia Nephropathy	Metastatic (Lung) Minimal Moderate
* Liver	Centrilobular Hepatocyte	Squamous Cell Carcinoma Necrosis Vacuolization Cytoplasmic	Metastatic (Lung) Minimal Mild
* Lung	[Squamous Cell Carcinoma TGLS = 4-21, 5-22, 6-23, 7-24, 8-25, 9-2]	Squamous Cell Carcinoma	
Lymph Node	Pancreatic Pancreatic Pancreatic	Ectasia Hemorrhage Squamous Cell Carcinoma	Mild Moderate Metastatic (Lung)
	[Hemorrhage TGLS = 2-7]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
	[Hemorrhage TGLS = 3-5]		
* Nose		Foreign Body Inflammation	Minimal Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 26	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 528 HISTO: 102948
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin		Squamous Cell Carcinoma	Metastatic (Lung)
[Squamous Cell Carcinoma TGLS = 13-28]			
* Spleen	Lymph Follic	Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Mild
		Pigmentation	Mild
* Stomach, Forestomach		Hyperkeratosis	Mild
* Stomach, Glandular		Squamous Cell Carcinoma	Metastatic (Lung)
* Testes	Germinal Epith	Atrophy	Minimal
* Thymus		Atrophy	Marked
Tissue NOS		Squamous Cell Carcinoma	Metastatic (Lung)
[Squamous Cell Carcinoma TGLS = 10-26, 11-27]			

PRIMARY CAUSE OF DEATH - Lung Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-23]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 3-21]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leiomyosarcoma	
		Leukemia Mononuclear	
	[Leiomyosarcoma TGLS = 4-22]		
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	[Adenoma TGLS = 1-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 27

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 102949

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-7]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mineralization	Marked
	[Adenoma TGLS = 2-7]		
	[Mineralization TGLS = 3-7]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102950

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Seminal Vesicle	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Pancreas
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Harderian Gland		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-21]			
[Leukemia Mononuclear TGLS = 11-22]			
[Leukemia Mononuclear TGLS = 4-23]			
[Leukemia Mononuclear TGLS = 9-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102952

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-25]		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate	Epithelium	Leukemia Mononuclear	
		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Mild
* Skin		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 3-24]		Leukemia Mononuclear	
* Stomach, Forestomach [Edema TGLS = 7-4, 12-26] [Ulcer TGLS = 12-26]		Edema Erosion Ulcer	Moderate Minimal Marked
* Stomach, Glandular [Erosion TGLS = 13-27]		Erosion Ulcer	Moderate Minimal
* Testes [Adenoma TGLS = 2-7]	Interstitial Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 8-3]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Moderate
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 3-21]		
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102953

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Stomach, Glandular		Ulcer	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone		Osteopetrosis	Mild
[Osteopetrosis TGLS = 4-22]			
* Brain		Compression	Mild
* Eye		Cataract	Mild
	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Ectasia	Moderate
[Ectasia TGLS = 2-3]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Mild
* Parathyroid Gland		Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 33	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 102955
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Mild
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
		Thrombosis	Mild
	[Thrombosis TGLS = 15-12]		
* Intestine Large, Colon		Adenoma	
	[Adenoma TGLS = 17-28]		
* Intestine Small, Duodenum		Carcinoma	
	[Carcinoma TGLS = 18-29]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Carcinoma	Metastatic (Thyroid Gland)
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102957

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 9-23, 10-24, 11-25, 12-26, 13-27, 14-2]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 19-5]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 5-22]			
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 8-3]			
* Trachea		Carcinoma	Metastatic (Thyroid Gland)
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
		Leukemia Mononuclear	
* Brain		Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
Note: TGL 4-21 Pancreatic islet cell carcinoma with angiectasis.			
[Carcinoma TGLS = 4-21]			
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hyperplasia	Minimal
* Mammary Gland		Atrophy	Mild
* Pancreas		Adenoma	
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
* Spleen			
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102958

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLS = 2-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-10]			
* Heart		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 7-12]			
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 8-24,9-25]			
[Mixed Cell Focus TGLS = 8-24]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-23]			
Mesentery	Fat	Necrosis	Moderate
Note: TGL 5-21, 6-22: Necrosis of adipose tissue with extensive granulation tissue and hemorrhage			
[Necrosis TGLS = 5-21, 6-22]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102960

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 1-8]

* Spleen

Lymph Follic

Hyperplasia

Minimal

Pigmentation

Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Necrosis	Focal, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
		[Adenoma TGLS = 1-7]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Cyst	Moderate
	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Moderate
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 653

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis			
Note: One epididymis is on slide #7 and the second is on slide #8.			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = TGL 3-22]			
* Pancreas		Atrophy	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = TGL 1-21]			
* Skin		Hyperkeratosis	Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 653

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102963

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

Ultimobranchial Cyst

Minimal

PRIMARY CAUSE OF DEATH

- Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLS = 1-21]	
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102964

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Mild
* Pancreas		Atrophy	Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	[Hepatodiaphragmatic Nodule TGLS = 6-23]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland			
	[Fibroadenoma TGLS = 2-22]		
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 44	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 102966
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear Pigmentation	Mild
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
[Adenoma TGLS = 3-7] [Atrophy TGLS = 4-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = TGL 4-3]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Preputial Gland		Hyperplasia	Moderate
		Inflammation	Chronic, Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = TGL 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 2-7]			

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102967

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 639

DOSE: 0 PPM

DISP: Natural Death

HISTO: 102968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 3-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 4-5]		
Mesentery		Accessory Spleen	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 639

DOSE: 0 PPM

DISP: Natural Death

HISTO: 102968

ORGAN AND ACCOUNTABLE SITE STATUS

[Accessory Spleen TGLS = TGL 2-21]

* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = TGL 1-22]

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-21]			
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Ectasia	Marked
		Leukemia Mononuclear	
[Ectasia TGLS = 4-5]			
[Leukemia Mononuclear TGLS = 4-5]			
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 48	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 102970
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
		Mixed Cell Focus	
		[Hepatodiaphragmatic Nodule TGLS = 3-21]	
		[Mixed Cell Focus TGLS = 4-22]	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 102971

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Prostate
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-3]	
		[Leukemia Mononuclear TGLS = 6-7]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-5]	
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 3-21]	
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 102972

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin	Pinna	Neural Crest Tumor	
	[Neural Crest Tumor TGLS = 11-22]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	[Adenoma TGLS = 2-7]		
	[Atrophy TGLS = 1-7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLS = 10-3]		
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 690

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 102973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 10-1]		
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule Hyperplasia	Mild Moderate
	Bile Duct	Leukemia Mononuclear Necrosis	Focal, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = TGL 7-21]		
	[Leukemia Mononuclear TGLS = TGL 6-6]		
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Axillary	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

Note: TGL 9-22 axillary lymph node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 690

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 102973

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = TGL 9-22]			
[Leukemia Mononuclear TGLS = TGL 4-7]			
[Leukemia Mononuclear TGLS = TGL 8-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 5-5]			
* Nose		Foreign Body Inflammation	Mild Chronic, Minimal
Note: Hair shaft in nasal cavity			
* Pancreas		Atrophy Leukemia Mononuclear	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Cyst	Mild
	Epithelium	Hyperplasia Inflammation	Mild Chronic, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
Note: Marked inflammation, edema, and granulation tissue in submucosa underlying area of epithelial hyperplasia (not individually tabulated).			
* Testes	Interstitial Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = TGL 2-7]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 102974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Stomach, Forestomach
* Stomach, Glandular			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Eye		Cataract	Mild
* Heart		Cardiomyopathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
	Portal Vein	Leukemia Mononuclear	
		Thrombosis	Focal, Moderate
	[Hepatodiaphragmatic Nodule TGLS = TGL 7-22]		
	[Leukemia Mononuclear TGLS = TGL 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 52	TRT#: 3 DOSE: 2000 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 642 HISTO: 102974
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Cyst TGLS = TGL 1-8]		Leukemia Mononuclear Cyst	Moderate
* Spleen Note: Spleen-Mononuclear leukemia has a mononuclear cell and a spindle cell component. [Leukemia Mononuclear TGLS = TGL 4-23]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = TGL 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate
* Thyroid Gland Tissue NOS [Leukemia Mononuclear TGLS = TGL 6-21]	Follicular Cel	Adenoma Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 4-2]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Moderate
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-21]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102975

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Mammary Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Moderate
* Parathyroid Gland		Adenoma	
* Preputial Gland		Inflammation	Chronic, Moderate
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Hemorrhage	Minimal
* Eye		Cataract	Marked
	Retina	Degeneration	Marked
[Cataract TGLS = 1-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-2]			
* Pancreas		Atrophy	Mild
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Eye		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Mild
* Pituitary Gland	Rathkes Cleft	Hemorrhage	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7, 3-7]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 607

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 102980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = TGL 3-1]			
* Epididymis			
Note: Epididymis-on slide # 7			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = TGL 2-3]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = TGL 4-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Moderate
		Inflammation	Acute, Mild
		Vacuolization Cytoplasmic	Marked
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 607

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 102980

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Interstit Cell

Hyperplasia

Mild

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Marked
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Sarcoma	Metastatic (Skin)
	[Sarcoma TGLS = 5-22]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLS = 1-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	[Adenoma TGLS = 2-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102982

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 3-7]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Mesothelioma Malignant	Metastatic (Mesentery)
	[Mesothelioma Malignant TGLS = 5-23]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
	Mesentery	Mesothelioma Malignant	
	Note: Malignant mesothelioma included marked histiocytic cell infiltration, fibrosis, and pigmentation (hemosiderin).		
	[Mesothelioma Malignant TGLS = 2-22]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
	Note: Hyperplasia on slide #1		
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-21]		
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 61	TRT#: 3 DOSE: 2000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 102983
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus Tongue [Hyperplasia TGLS = 6-24]	Epithelium	Atrophy Hyperplasia	Moderate Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear
* Adrenal Medulla	Leukemia Mononuclear
	Pheochromocytoma Benign

Note: Right adrenal gland size is within normal limits. Left adrenal gland is enlarged by pheochromocytoma.

[Pheochromocytoma Benign TGLS = 7-10]

* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Mild
* Liver	Hepatocellular Adenoma	Multiple
	Hepatodiaphragmatic Nodule	
	Bile Duct	
	Hyperplasia	Moderate
	Leukemia Mononuclear	

[Hepatodiaphragmatic Nodule TGLS = 10-21]

[Leukemia Mononuclear TGLS = 9-6]

* Lung	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
Lymph Node	Leukemia Mononuclear	
	Deep Cervical	
	Pancreatic	
	Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 12-22]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102984

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-23]			
* Pancreas	Acinus	Adenoma Atrophy	Moderate
[Adenoma TGLS = 5-7]			
[Atrophy TGLS = 4-7]			
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy Hemorrhage	Moderate Mild
[Hemorrhage TGLS = 11-3]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 2-7]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 579

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 102986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Renal	Ectasia	Moderate
		Hyperplasia	Lymphoid, Mild
[Ectasia TGLS = 4-22]			
[Hyperplasia TGLS = 4-22]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Cyst	Moderate
* Preputial Gland		Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 579

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 102986

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-21]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule Degeneration Leukemia Mononuclear	Minimal Fatty, Moderate
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Brain	Leukemia Mononuclear Necrosis	Moderate
[Necrosis TGLS = 5-1]		
* Harderian Gland	Hyperplasia	Focal, Minimal
* Heart	Cardiomyopathy Leukemia Mononuclear Thrombosis	Moderate Minimal
[Cardiomyopathy TGLS = 4-21]		
* Kidney	Leukemia Mononuclear Nephropathy	Mild
* Liver	Leukemia Mononuclear	
* Lung	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]		
* Nose	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 65	TRT#: 3 DOSE: 2000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 102987
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 3-21]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-21, 5-22]			
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Skin		Hyperkeratosis	Marked
	Epidermis	Hyperplasia	Marked
[Hyperkeratosis TGLS = 1-23]			
[Hyperplasia TGLS = 1-23]			
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102989

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Carcinoma TGLS = 4-2]			
* Mammary Gland		Hyperplasia	Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Preputial Gland		Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 68	TRT#: 3 DOSE: 2000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 102990
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Mild
* Skin		Hyperkeratosis	Marked
	Epidermis	Hyperplasia	Moderate
	[Hyperkeratosis TGLS = 1-21]		
	[Hyperplasia TGLS = 1-21]		
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Testes	Germinal Epith	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Brain		Compression	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Moderate
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
	[Fibroma TGLS = 2-22, 3-23]		
	[Keratoacanthoma TGLS = 1-21]		
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102993

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Lymphoma Malignant	
* Adrenal Medulla		Lymphoma Malignant	
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
* Eye		Lymphoma Malignant	
* Harderian Gland		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Lymphoma Malignant	
		Metaplasia	Osseous, Minimal
Lymph Node	Pancreatic	Lymphoma Malignant	
		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5-22]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 6-5]			
* Mammary Gland		Hyperplasia	Mild
* Nose		Inflammation	Chronic, Mild
* Pancreas		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 73	TRT#: 3 DOSE: 2000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 102995
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Lymphoma Malignant	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Lymphoma Malignant	
* Seminal Vesicle		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-6]			
* Stomach, Forestomach		Edema	Mild
		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Seminal Vesicle	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 564

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 102997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Colon * Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Moderate
		Hemorrhage	Moderate
	[Compression TGLS = 7-1]		
	[Hemorrhage TGLS = 6-1]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-21]		
* Lung		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Minimal
	[Hemorrhage TGLS = 3-2]		
* Mammary Gland		Cyst	Moderate
	[Cyst TGLS = 1-8]		
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 75	TRT#: 3 DOSE: 2000 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 564 HISTO: 102997
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: Located in the nasal cavity is a hair shaft surrounded by eosinophilic proteinaceous debris and neutrophils

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Chronic, Moderate
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 618

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 102998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
[Thrombosis TGLS = TGL 8-12; 9-12]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 7-3]			
[Leukemia Mononuclear TGLS = TGL 5-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 6-5]			
* Pancreas		Atrophy	Minimal
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:38
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 76	TRT#: 3 DOSE: 2000 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 618 HISTO: 102998
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ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = TGL 1-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 4-6]			
* Stomach, Glandular		Ulcer	Mild
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
[Adenoma TGLS = TGL 3-7]			
* Thymus		Atrophy Leukemia Mononuclear	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: Systemic lesion, Leukemia, mononuclear has a mononuclear cell and a spindle cell component.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Mild
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-21]		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 102999

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-22,5-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 720

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 3-10]		
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-1, 13-1]		
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 720

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103001

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-22]

* Mammary Gland

Hyperplasia

Mild

Mesentery

Mesothelioma Malignant

[Mesothelioma Malignant TGLS = 1-21]

* Nose

Goblet Cell

Hyperplasia

Moderate

Inflammation

Chronic, Marked

Respirat Epith

Metaplasia

Squamous, Minimal

* Pancreas

Atrophy

Mild

* Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Moderate

* Preputial Gland

Inflammation

Chronic, Moderate

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-23]

* Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Atrophy

Mild

[Atrophy TGLS = 14-7]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:38

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-6,3-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Squamous, Focal, Mild
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 4-22]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103002

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 569

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex [Hemorrhage TGLS = 9-10]		Hemorrhage	Minimal
* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 7-10]		Pheochromocytoma Malignant	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Large, Rectum		Hemorrhage	Mild
* Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Minimal
		[Dilatation TGLS = 8-5]	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
		[Leukemia Mononuclear TGLS = 12-6]	
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
		[Hemorrhage TGLS = 14-2]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 82	TRT#: 3 DOSE: 2000 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 569 HISTO: 103004
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ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 13-3]	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 10-5]		Leukemia Mononuclear	
Mesentery [Necrosis TGLS = 5-21]	Fat	Necrosis	Moderate
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-7]	Interstitial Cell	Adenoma	
Urethra [Angiectasis TGLS = 16-22]		Angiectasis	Moderate
* Urinary Bladder Note: Urinary bladder lumen was dilated and filled with erythrocytes and cellular debris TGL 2-8 [Hemorrhage TGLS = 11-8]		Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 103005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum

OBSERVATIONS

* Brain		Leukemia Mononuclear	
* Harderian Gland		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 6-21]		
	[Leukemia Mononuclear TGLS = TGL 8-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 5-5]		
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 103005

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Necrosis

Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = TGL 4-6]

* Testes

Bilateral, Interstit Cell

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = TGL 1-7, 2-7, 3-7]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103006

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
		[Mesothelioma Malignant TGLS = 4-22]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Hyperkeratosis	Marked
	Epidermis	Hyperplasia	Moderate
		[Hyperkeratosis TGLS = 1-21]	
		[Hyperplasia TGLS = 1-21]	
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103007

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

[Atrophy TGLS = 3-7]

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 195

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 103008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Thymus
--------------------------	----------

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-22]			
* Eye		Leukemia Mononuclear	
* Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney	Pelvis	Dilatation	Minimal
		Leukemia Mononuclear	
[Dilatation TGLS = 4-5]			
* Liver	Centrilobular	Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

Note: TGL 1-21 site is axillary lymph node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 195

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 103008

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-21]		
[Leukemia Mononuclear TGLS = 8-3]		
[Leukemia Mononuclear TGLS = 2-7]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]		
* Pituitary Gland	Leukemia Mononuclear	
* Preputial Gland	Leukemia Mononuclear	
* Salivary Glands	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-23]		
* Stomach, Glandular	Erosion	Mild
	Leukemia Mononuclear	
[Erosion TGLS = 10-4]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 103009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = TGL 3-10]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Centrilobular	Necrosis	Moderate
[Necrosis TGLS = TGL 5-22]			
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Renal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = TGL 4-21]			
* Pancreas		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 1-7]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 657

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 103009

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 628

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Complex	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = TGL 3-5]			
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = TGL 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 2-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 628

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103010

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 4-3]

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-22]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-23]			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103012

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Thyroid gland-cystic follicular hyperplasia on slide 3.2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Mild
[Hemorrhage TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103013

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 50

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Depletion Cellular	Mild
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
	Artery	Mineralization	Moderate
* Lung		Infiltration Cellular	Eosinophil, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-3]			
* Spleen	Lymph Follic	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: No microscopic lesion was considered to be the primary cause of death. TGL-2, c hyllothorax, may have attributed to this animals early demise.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Necrosis	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Ectasia	Moderate
[Ectasia TGLS = 4-7]			
* Pancreas		Atrophy	Minimal
* Preputial Gland		Hyperplasia	Marked
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Moderate
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103016

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|--------------------------|---------------------------|
| * Bone | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- * Intestine Small, Ileum

OBSERVATIONS

- | | | | |
|----------------------|--|----------------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Mild |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| | | Necrosis | Moderate |
| | | Thrombosis | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatodiaphragmatic Nodule | Mild |
| | Bile Duct | Hyperplasia | Moderate |
| | Centrilobular | Leukemia Mononuclear | |
| | | Necrosis | Minimal |
| | [Hepatodiaphragmatic Nodule TGLS = TGL 8-22] | | |
| | [Leukemia Mononuclear TGLS = TGL 6-6, 7-6] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103017

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 3-7]		
	[Leukemia Mononuclear TGLS = TGL 10-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 5-5]		
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = TGL 1-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 2-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Sarcoma	
	[Hyperplasia TGLS = 11-23]		
	[Sarcoma TGLS = 11-23]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = TGL 4-7]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 5-23]		
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Atrophy	Moderate
Tongue	Epithelium	Hyperplasia	Minimal

Note: Area of minimal erosion over hyperplastic basal epithelium (not individually tabulated).

[Hyperplasia TGLS = 4-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration	Mild Fatty, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia Nephropathy	Minimal Minimal
* Liver		Clear Cell Focus Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-22]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Moderate Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-21]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Marked Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103019

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Prostate	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-21]			
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Moderate
Note: Numerous fungal hyphae present			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103020

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 6-25]			
* Lung		Hemangioma	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
[Hemangioma TGLS = 2-21]			
[Infiltration Cellular TGLS = 4-23, 5-24]			
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103021

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus
--------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-21]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 100	TRT#: 3 DOSE: 2000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO: 103022
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic, Marked
	Respirat Epith	Metaplasia	Squamous, Marked
Note: Fungal hyphae present in lumen			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 6-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
[Adenoma TGLS = 1-8]			
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration	Minimal Fatty, Mild
* Adrenal Medulla		Leukemia Mononuclear Leukemia Mononuclear Pheochromocytoma Benign Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 5-22]		
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy Leukemia Mononuclear Thrombosis	Mild Moderate
	[Thrombosis TGLS = 8-12]		
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear Nephropathy	 Minimal
* Liver		Basophilic Focus Eosinophilic Focus	
	Bile Duct	Hyperplasia Leukemia Mononuclear	 Mild
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103024

ORGAN AND ACCOUNTABLE SITE STATUS

		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Adenoma	
Note: Adenoma also observed on slide #8			
[Adenoma TGLS = 1-21]			
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 5-6]	Vacuolization Cytoplasmic	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 3-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103025

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
		Metaplasia	Osseous, Minimal
[Leukemia Mononuclear TGLS = TGL 4-21]			
* Stomach, Glandular		Erosion	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked
[Adenoma TGLS = TGL 2-7]			
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Metaplasia	Osseous, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic, Mild
[Cyst TGLS = 1-8]			
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hemorrhage	Minimal
	[Eosinophilic Focus TGLS = 1-6]		
	[Hemorrhage TGLS = 1-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103027

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-10]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: Pancreatic lymph node-missing			
[Leukemia Mononuclear TGLS = 9-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 106	TRT#: 5	SEX: Male	DAY ON TEST: 704
	DOSE: 10000 PPM	DISP: Moribund Sacrifice	HISTO: 103028

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-5]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 8-12]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 9-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-5]		
* Mammary Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 2-8]		
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 107

TRT#: 5
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 103029

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Acinus	Hyperplasia	Focal, Moderate
* Spleen		Inflammation	Chronic, Moderate
		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-21]			
[Leukemia Mononuclear TGLS = 4-21]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Bone		Osteopetrosis	Mild
	[Osteopetrosis TGLS = 2-21]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 618

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Compression TGLS = TGL 10-1]		
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLS = TGL 5-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	[Inflammation TGLS = TGL 8-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 618

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103031

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 3-7]		
	[Leukemia Mononuclear TGLS = TGL 7-21]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 4-22]		
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = TGL 9-1]		
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
* Salivary Glands		Atrophy	Moderate
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 2-6]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = TGL 1-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Compression;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Mild
* Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Minimal
		Note: Alveolar/Bronchiolar carcinoma-with squamous differentiation	
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 690

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 9-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 7-7]		
	[Leukemia Mononuclear TGLS = TGL 10-3]		
* Lymph Node, Mesenteric		Ectasia	Moderate
	[Ectasia TGLS = TGL 8-5]		
* Mammary Gland		Cyst	Moderate
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
	[Leukemia Mononuclear TGLS = TGL 6-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 111	TRT#: 5	SEX: Male	DAY ON TEST: 690
	DOSE: 10000 PPM	DISP: Moribund Sacrifice	HISTO: 103033

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = TGL 6-21]			
* Pancreas		Atrophy Leukemia Mononuclear	Mild
* Prostate		Cyst	Moderate
* Seminal Vesicle	Bilateral	Cyst	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 4-6, 13-6]			
* Testes	Germinal Epith	Atrophy Schwannoma Malignant	Marked
[Atrophy TGLS = TGL 2-7]			
[Schwannoma Malignant TGLS = TGL 3-7, 12-7]			
Urethra	Bulboureth GI	Cyst	Moderate
[Cyst TGLS = TGL 11-22]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Eye		Cataract	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Angiectasis TGLS = 6-22]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103034

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-23]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Nose		Inflammation	Chronic, Minimal
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Prostate	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Mild
[Hemorrhage TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Skin		Hyperkeratosis	Marked
	Epidermis	Hyperplasia	Moderate
[Hyperkeratosis TGLS = 1-21]			
[Hyperplasia TGLS = 1-21]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 114

TRT#: 5
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 103036

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 2-7]

Bilateral, Interstit Cell

Adenoma

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLS = 5-10]			
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Int Sm Jejunum			
Note: Slide 3 contains section of cecum. Slide 4 contains 3 sections of small intestine, 1 colon 1 rectum, and stomach.			
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-22]			
* Lung	Alveolar Epith	Hemorrhage	Mild
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hemorrhage TGLS = 7-2]			
[Hyperplasia TGLS = 7-2]			
Lymph Node	Pancreatic	Ectasia	Moderate
	Pancreatic	Hemorrhage	Mild
[Ectasia TGLS = 4-7]			
[Hemorrhage TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 115	TRT#: 5	SEX: Male	DAY ON TEST: 731
	DOSE: 10000 PPM	DISP: Terminal Sacrifice	HISTO: 103037

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 8-1]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-8]		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin		Hyperkeratosis	Marked
	Epidermis	Hyperplasia	Moderate
[Hyperkeratosis TGLS = 1-21]			
[Hyperplasia TGLS = 1-21]			
* Spleen	Lymph Follic	Hyperplasia	Moderate
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 2-3]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Pancreatic	Ectasia	Moderate
	[Ectasia TGLS = TGL 3-22]		
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = TGL 1-21]		
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = TGL 2-7]		

PRIMARY CAUSE OF DEATH

- Skin Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
	Capsule	Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-5]	
Mesentery		Mesothelioma Malignant	
		[Mesothelioma Malignant TGLS = 1-21]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLS = 5-23]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6]	
* Stomach, Glandular		Hyperplasia	Focal, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 118

TRT#: 5
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 103040

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-22]

* Testes	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 472

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Mild
		Necrosis	Moderate
Note: Right cerebrum, dorsal to basal ganglia and cranial to/including hippocampus: Extensive necrosis, gliosis, occassional gitter cells and pmns, hemorrhage			
		[Hemorrhage TGLS = 2-1]	
		[Necrosis TGLS = 2-1]	
* Heart		Cardiomyopathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-21]		
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Minimal
* Testes	Germinal Epith	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Brain Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 472

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103041

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: Slide #5 contains 2 kidneys, 1 mesenteric lymph node and 1 adrenal gland. Slide # 10 contains 1 adrenal gland and 1 lymph node.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103042

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
		[Alveolar/Bronchiolar Adenoma TGLS = 2-2]	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 6-21]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 9-25]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-23]		
	[Leukemia Mononuclear TGLS = 8-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 122	TRT#: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 10000 PPM	DISP: Terminal Sacrifice	HISTO: 103044

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Moderate
[Atrophy TGLS = 3-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-24]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Moderate
[Adenoma TGLS = 2-8]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin		Hyperkeratosis	Marked
	Epidermis	Hyperplasia	Marked
		Inflammation	Chronic, Mild
[Hyperkeratosis TGLS = 1-21]			
[Hyperplasia TGLS = 1-21]			
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103045

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: TGL 4- Abnormal fissures and lobulations are not routinely tabulated.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
		[Adenoma TGLS = 2-7]	
		[Atrophy TGLS = 3-7]	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Granuloma Sperm	Mild
* Eye		Cataract	Marked
		Degeneration	Moderate
[Cataract TGLS = TGL 10-44]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
[Infarct TGLS = TGL 6-5]			
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[Leukemia Mononuclear TGLS = TGL 5-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 4-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 8-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103047

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 3-6]			
* Stomach, Forestomach		Edema	Marked
		Erosion	Moderate
		Hemorrhage	Moderate
	Epithelium	Hyperplasia	Moderate
[Hemorrhage TGLS = TGL 9-4]			
* Testes	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
[Atrophy TGLS = TGL 2-7]			
[Hyperplasia TGLS = TGL 1-7]			
* Thymus		Leukemia Mononuclear	
Tissue NOS		Leukemia Mononuclear	
		Necrosis	Focal, Moderate

Note: Tissue consists of mesenteric adipose tissue and diaphragm.

[Necrosis TGLS = TGL 7-21]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 675

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Ileum
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
		Thrombosis	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 3-6]	Necrosis	Marked
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = TGL 4-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 1-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 127

TRT#: 5
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 675
HISTO: 103049

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Edema
Ulcer

Mild
Moderate

* Testes

Germinal Epith

Atrophy

Mild

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
Note: NO CORRESPONDING LESION FOR TGL 2.			
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-22]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 2-21]		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Necrosis	Focal, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Marked
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 2-8]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Ulcer	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103052

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Epididymis		Mesothelioma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-2]			
Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Hemorrhage	Moderate
[Ectasia TGLS = 3-3]			
[Hemorrhage TGLS = 3-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103053

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 6-1]

Pars Distalis

Adenoma

* Preputial Gland

Inflammation

Chronic, Mild

* Spleen

Leukemia Mononuclear

* Testes

Germinal Epith

Atrophy

Mild

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Marked
		Thrombosis	Moderate
[Thrombosis TGLS = TGL 6-12]			
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
[Leukemia Mononuclear TGLS = TGL 5-6]			
* Lung		Leukemia Mononuclear	
* Nose		Thrombosis	Moderate
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 4-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 133	TRT#: 5	SEX: Male	DAY ON TEST: 696
	DOSE: 10000 PPM	DISP: Natural Death	HISTO: 103055

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Mild
		Ulcer	Moderate
* Stomach, Glandular		Ulcer	Marked
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 2-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 528

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Infarct	Mild
	Nephropathy	Mild
	Thrombosis	Minimal
[Infarct TGLS = TGL 4-23]		
[Thrombosis TGLS = TGL 4-23]		
* Liver	Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = TGL 3-22]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Preputial Gland	Adenoma	
[Adenoma TGLS = TGL 1-21]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Moderate
* Testes	Germinal Epith	Moderate
* Thyroid Gland	C Cell	Mild
	Hyperplasia	
	Atrophy	
	Hyperplasia	

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Rectum	* Islets, Pancreatic
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Hepatocyte	Nephropathy	Minimal
	[Leukemia Mononuclear TGLS = 2-6]	Leukemia Mononuclear	Mild
* Lung		Vacuolization Cytoplasmic	
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
* Mammary Gland		Hyperplasia	Minimal
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103057

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear Pigmentation	Mild
[Leukemia Mononuclear TGLS = 1-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia Leukemia Mononuclear	Moderate
* Stomach, Glandular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
* Testes	Interstit Cell	Adenoma Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Reticulum Cell, Mild
* Mammary Gland		Cyst	Moderate
		Hyperplasia	Marked
[Cyst TGLS = 2-21]			
[Hyperplasia TGLS = 1-8, 2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Moderate
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103058

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	[Hyperplasia TGLS = TGL 5-2]		
* Lymph Node, Mesenteric		Ectasia	Moderate
	[Ectasia TGLS = TGL 4-5]		
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland		Adenoma	
	[Adenoma TGLS = TGL 1-21]		
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = TGL 3-22]		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103059

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
Note: TGL 4-Abnormal fissures and lobulations are not routinely tabulated			
Note: Focal necrosis-slide # 21			
[Angiectasis TGLS = 6-24]			
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Accessory Spleen	Mild
[Accessory Spleen TGLS = 2-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103060

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear Pigmentation	Mild
* Testes [Adenoma TGLS = 1-7]	Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 5-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = TGL 1-21]		
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = TGL 3-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103061

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tissue NOS		Hemangiosarcoma	
[Hemangiosarcoma TGLS = TGL 2-22]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Tissue NOS Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 3-22]		
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLS = 1-21]		
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103062

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration	Mild Fatty, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy Leukemia Mononuclear	Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Eosinophilic Focus Hepatocellular Adenoma Hyperplasia Leukemia Mononuclear	Multiple Moderate
	Bile Duct		
Note: TGL 12-one hepatocellular adenoma. Additional adenomas on slide #6 [Hepatocellular Adenoma TGLS = 12-25] [Leukemia Mononuclear TGLS = 7-6]			
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
			[Leukemia Mononuclear TGLS = 9-2]
Lymph Node	Mediastinal Pancreatic	Leukemia Mononuclear Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 4-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103063

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Mammary Gland		Hyperplasia	Marked
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21, 5-22]			
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Mild
Note: Hyperplastic lesion on slide #4			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 10-1]			
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
* Skin		Ulcer	Marked
Note: TGL 11-ulceration includes serocellular exudate, hyperkeratosis, acanthosis, edema, granulation tissue, and inflammation (not individually tabulated)			
[Ulcer TGLS = 11-23]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-24]			
* Testes	Germinal Epith	Atrophy	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 705

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Prostate	* Skin	* Thyroid Gland
* Trachea			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-7]	
		[Leukemia Mononuclear TGLS = 5-3]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-5]	
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6]	
* Stomach, Forestomach		Edema	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 142	TRT#: 5 DOSE: 10000 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 705 HISTO: 103064
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Hyperplasia TGLS = 7-21]	Epithelium	Hyperplasia Inflammation Edema Hyperplasia	Marked Chronic Active, Mild Mild Focal, Marked
* Testes [Adenoma TGLS = 6-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Mild Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Mild Histiocyte, Minimal
* Pancreas	Acinus	Adenoma Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle	Epithelium	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
	[Atrophy TGLS = 1-7]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103065

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-22]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-2]		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate		Inflammation	Chronic, Moderate
Note: Inflammatory lesion includes mild glandular ectasia and edema (not individually tabulated)			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Marked
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103067

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 6-6]	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mesenteric			
	[Leukemia Mononuclear TGLS = TGL 5-5]		
Mesentery		Mesothelioma Benign	
	[Mesothelioma Benign TGLS = TGL 2-21]		
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103069

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = TGL 3-7]

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mesentery Mesothelioma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 575

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Minimal
* Kidney		Nephropathy	Mild
* Liver		Necrosis	Focal, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 2-8]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Skin		Osteosarcoma	

Note: Skin mass-loosely arranged pleomorphic spindle/stellate cells with a collagenous/osteoid stroma and neovascularization

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 575

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103070

ORGAN AND ACCOUNTABLE SITE STATUS

[Osteosarcoma TGLS = 1-21]

* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Ulcer	Mild
* Testes	Germinal Epith	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Skin Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 4-22]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 1-21]		
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Atrophy	Moderate
	[Atrophy TGLS = 3-3]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103071

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Minimal
	[Carcinoma TGLS = 4-22]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Moderate
	[Clear Cell Focus TGLS = 6-24]	Leukemia Mononuclear	
	[Hemorrhage TGLS = 5-23]		
* Mammary Gland		Carcinoma	
		Hyperplasia	Minimal
	[Carcinoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103072

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear Pigmentation	Mild
* Testes [Adenoma TGLS = 3-7]	Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 646

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Esophagus

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Schwannoma Malignant	Metastatic (Salivary Glands)
Note: TGL 21-31 also corresponds to metastatic schwannoma malignant - primary site salivary gland.			
[Schwannoma Malignant TGLS = 14-24, 15-25, 16-26, 17-27, 18-28, 19-29, 20-30]			
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
[Ectasia TGLS = TGL 3-7]			
[Hyperplasia TGLS = TGL 3-7]			
* Lymph Node, Mesenteric		Ectasia	Moderate
[Ectasia TGLS = TGL 5-5]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = TGL 4-22]			
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 151	TRT#: 7	SEX: Male	DAY ON TEST: 646
	DOSE: 50000 PPM	DISP: Moribund Sacrifice	HISTO: 103073

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-21, 1-21-1]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Moderate
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = TGL 2-7]		
Tissue NOS			
Note: Tissue NOS corresponds to submandibular salivary gland			

PRIMARY CAUSE OF DEATH	- Salivary Glands Schwannoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Lung Schwannoma Malignant Salivary Glands

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 528

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Testes	Interstitial Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-1]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
Note: TGL 13-28-Abnormal fissures and lobulations are not routinely tabulated.			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: TGL 10-22 is axillary lymph node			
[Leukemia Mononuclear TGLS = 7-26]			
[Leukemia Mononuclear TGLS = 3-25]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103075

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-22]			
[Leukemia Mononuclear TGLS = 1-21, 11-23]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-27]			
* Pancreas		Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-24]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 6-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-26]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Adenoma	
		[Adenoma TGLS = 1-21, 2-8]	
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 3-7]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Intestine Small, Ileum	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 4-3]			
* Lymph Node, Mesenteric		Ectasia	Moderate
[Ectasia TGLS = 3-5]			
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103078

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 5-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Mild
		Mixed Cell Focus	
[Hemorrhage TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 4-22]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103079

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Moderate
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = TGL 2-21]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = TGL 3-1]		
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Testes	Germinal Epith	Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Hemangiopericytoma	
Note: Marked ulceration of skin overlying hemangiopericytoma.			
[Hemangiopericytoma TGLS = TGL 2-21]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Skin Hemangiopericytoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Moderate
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 5-7]			
* Kidney		Lipoma	
		Nephropathy	Minimal
[Lipoma TGLS = 6-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Fibrosis	Mild
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Fibrosis TGLS = 7-2]			
[Hyperplasia TGLS = 7-2]			
* Mammary Gland		Cyst	Moderate
[Cyst TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 161	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 50000 PPM	DISP: Terminal Sacrifice	HISTO: 103083

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Marked
Skeletal Muscle		Hemangioma	
[Hemangioma TGLS = 3-22]			
* Skin		Cyst Epithelial Inclusion	
Note: Epithelial inclusion cyst had ruptured and was surrounded by granulomatous inflammation.			
[Cyst Epithelial Inclusion TGLS = 1-21]			
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Atrophy TGLS = 4-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 3-22]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	
Note: RE: SKIN OSTEOSARCOMA TGL 20-30 - NO SLIDE #30 WAS CREATED FOR THIS ANIMAL, THEREFORE THE TGL 20-30 DOES NOT EXIST.			
[Cyst Epithelial Inclusion TGLS = 1-21]			
* Spleen		Pigmentation	Mild
* Testes	Germinal Epith	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103084

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Interstit Cell

Hyperplasia

Minimal

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate	* Seminal Vesicle	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Minimal
* Brain		Compression	Marked
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Minimal
		Histiocytic Sarcoma	
* Kidney		Histiocytic Sarcoma	
		Nephropathy	Moderate
* Liver		Histiocytic Sarcoma	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Histiocytic Sarcoma	
* Mammary Gland		Cyst	Moderate
		Hyperplasia	Mild
[Cyst TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-21]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 164	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 50000 PPM	DISP: Terminal Sacrifice	HISTO: 103086

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-8]			
* Salivary Glands		Atrophy	Mild
* Skin		Hyperkeratosis	Marked
	Epidermis	Hyperplasia	Moderate
[Hyperkeratosis TGLS = 7-22]			
[Hyperplasia TGLS = 7-22]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Marked
* Stomach, Glandular		Erosion	Minimal
* Testes	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: Histiocytic sarcoma-intravascular neoplastic cells with indented nuclei, moderate amounts of eosinophilic/golden pigmented cytoplasm, clear spicule-like spaces.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Spleen		Pigmentation	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 360

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-1, 7-1]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-21]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 166	TRT#: 7	SEX: Male	DAY ON TEST: 360
	DOSE: 50000 PPM	DISP: Moribund Sacrifice	HISTO: 103088

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 8-22]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Minimal
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
		Fibrosis	Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Necrosis	Focal, Minimal
[Clear Cell Focus TGLS = 3-6]			
[Necrosis TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Ectasia	Moderate
	Pancreatic	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-7]			
* Lymph Node, Mesenteric		Hyperplasia	Reticulum Cell, Marked
[Hyperplasia TGLS = 2-5]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103089

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]

* Prostate

Epithelium

Hyperplasia

Minimal

Inflammation

Chronic, Minimal

* Spleen

Pigmentation

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 676

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Edema	Focal, Minimal
		Thrombosis	Minimal
Note: There is focal vacuolization of the neuropile adjacent/underlying a small thrombosed vessel in the meninges.			
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
[Thrombosis TGLS = TGL 7-12]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = TGL 8-2]			
[Infiltration Cellular TGLS = TGL 8-2]			
* Lym Node Mesen			
Note: NO CORRESPONDING LESION FOR TGL 5.			
Lymph Node	Pancreatic	Ectasia	Minimal
Note: NO CORRESPONDING LESION FOR TGL 4.			
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 676

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103090

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hemorrhage	Mild
[Cyst TGLS = TGL 9-1]			
[Hemorrhage TGLS = TGL 9-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 3-6]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 1-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-2]			
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 3-3]			
[Hemorrhage TGLS = 3-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103091

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 698

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Prostate		Cyst	Moderate
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = TGL 2-21]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Minimal
* Testes	Interstit Cell	Adenoma	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-21]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Minimal
* Brain		Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
		[Adenoma TGLS = 1-21]	
* Salivary Glands		Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 3-7]	
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103094

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Leukemia Mononuclear	
	[Hepatocellular Adenoma TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
		Pigmentation	Minimal
	[Leukemia Mononuclear TGLS = 2-6, 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103095

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Minimal Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy Leukemia Mononuclear	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular Leukemia Mononuclear Leukemia Mononuclear	Histiocyte, Minimal
Lymph Node	Pancreatic		
[Leukemia Mononuclear TGLS = 4-21]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 174	TRT#: 7	SEX: Male	DAY ON TEST: 732
	DOSE: 50000 PPM	DISP: Terminal Sacrifice	HISTO: 103096

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-7] [Atrophy TGLS = 2-7]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
* Thymus		Atrophy	Moderate
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 715

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Leukemia Mononuclear	Focal, Moderate
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Mild
* Bone Marrow		Leukemia Mononuclear Myelofibrosis	Moderate
* Heart		Cardiomyopathy Leukemia Mononuclear	Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Lung	[Leukemia Mononuclear TGLS = 4-6] Alveolar Epith	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Minimal Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Focal, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 715

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103097

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-1]

* Preputial Gland

Inflammation

Chronic, Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 676

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: Hyperplasia on slide 1.1			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 2-7]			

PRIMARY CAUSE OF DEATH

- Skin Keratoacanthoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 509

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
		[Ectasia TGLS = 3-7]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-5]	
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Marked
		Leukemia Mononuclear	
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 509

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103101

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Minimal

* Seminal Vesicle

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-6]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: System neoplastic process (leukemia mononuclear) has both a spinle cell and a l ymphocytic cell component

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 539

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Colon * Intestine Small, Ileum

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-5]			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 628

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Inflammation	Chronic, Mild
Note: Histiocytic cell infiltration on endothelial surface of central vein [Basophilic Focus TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = TGL=1-21]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 2-7]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Stomach, Forestomach	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Focal, Moderate
		Necrosis	Mild
* Bone Marrow		Histiocytic Sarcoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Ulcer	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4-6]			
* Lung		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 7-2]			
Lymph Node	Mediastinal	Histiocytic Sarcoma	
	Pancreatic	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 6-7]			
[Histiocytic Sarcoma TGLS = 8-3]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-21]			
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Salivary Glands		Atrophy	Mild
* Skin		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 182	TRT#: 7	SEX: Male	DAY ON TEST: 725
	DOSE: 50000 PPM	DISP: Moribund Sacrifice	HISTO: 103104

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLS = 9-22]			
* Spleen		Hematopoietic Cell Proliferation Histiocytic Sarcoma	Marked
[Histiocytic Sarcoma TGLS = 5-6]			
* Stomach, Glandular		Erosion	Moderate
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Skin Histiocytic Sarcoma		
CONTRIBUTORY CAUSE OF DEATH	- Mesentery Mesothelioma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 628

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Marked
		Hemorrhage	Minimal
[Compression TGLS = TGL 5-1]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Moderate
[Cyst TGLS = TGL 2-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = TGL 7-21]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = TGL 4-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 628

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103105

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Spleen-capsule-mesothelial cell hyperplasia

* Stomach, Forestomach

Edema

Marked

Ulcer

Marked

[Ulcer TGLS = TGL 6-4]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = TGL 3-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-3]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 701

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Thrombosis	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Marked
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mesenteric			
	[Leukemia Mononuclear TGLS = TGL 4-5]		
* Nose		Foreign Body	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 185	TRT#: 7	SEX: Male	DAY ON TEST: 701
	DOSE: 50000 PPM	DISP: Moribund Sacrifice	HISTO: 103107

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Inflammation	Chronic, Mild
* Spleen		Hyperplasia	Focal, Moderate
	[Leukemia Mononuclear TGLS = TGL 2-6]	Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
		Ulcer	Moderate
* Testes	Germinal Epith	Atrophy	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: Slide 7 epithelial type tissue on slide in addition to pancreas, testes, and se minal vesicles-unidentifiable source

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 698

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Brain		Metaplasia	Lipocyte, Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Ectasia	Moderate
[Ectasia TGLS = TGL 4-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Moderate
[Adenoma TGLS = TGL 1-21]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = TGL 2-7]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 698

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103108

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 476

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
* Epididymis		Lymphoma Malignant	
* Intestine Large, Cecum		Lymphoma Malignant	
* Intestine Small, Duodenum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Nephropathy	Mild
[Lymphoma Malignant TGLS = 5-5, 6-5]			
* Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 10-22]			
* Lung		Lymphoma Malignant	
Lymph Node	Deep Cervical	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 12-25]			
[Lymphoma Malignant TGLS = 9-3]			
[Lymphoma Malignant TGLS = 8-7]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 7-23]			
* Mammary Gland		Hyperplasia	Mild
Mesentery		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 476

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103109

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 4-21]			
* Pancreas		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-7]			
* Pituitary Gland		Lymphoma Malignant	
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
* Prostate		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Seminal Vesicle		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
* Testes	Germinal Epith	Atrophy	Moderate
* Thymus		Lymphoma Malignant	
Tissue NOS		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 11-24]			
* Urinary Bladder		Lymphoma Malignant	
PRIMARY CAUSE OF DEATH	- Spleen	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
	[Hyperplasia TGLS = 1-8]		
* Prostate		Inflammation	Chronic, Mild
* Spleen		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103110

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia	Marked
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Alveolar Epith	Metaplasia	Squamous, Marked
	[Metaplasia TGLS = 4-21]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:39
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103111

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 1-7]

Bilateral, Interstit Cell

Adenoma

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 10-12]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 3-21, 4-22, 5-23, 6-24, 7-25, 8-2]		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Axillary	Carcinoma	Metastatic (Thyroid Gland)
Note: TGL 9-26 is Axillary lymph node			
[Carcinoma TGLS = 9-26]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Preputial Gland		Hyperplasia	Moderate
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 2-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103113

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 662

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Thyroid Gland	* Trachea	

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
Blood Vessel			
Note: Tissues-mild to marked autolysis			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Harderian Gland		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = TGL 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = TGL 3-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 662

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103114

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Cyst	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
	Pars Distalis	Necrosis	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Marked
* Spleen		Leukemia Mononuclear	
		Thrombosis	Minimal
[Leukemia Mononuclear TGLS = TGL 2-6]			
* Stomach, Forestomach		Erosion	Mild
	Epithelium	Hyperplasia	Moderate
* Stomach, Glandular		Ulcer	Marked
* Testes		Atrophy	Mild
	Germinal Epith	Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
Tongue		Hyperplasia	Mild
	Epithelium		
[Hyperplasia TGLS = TGL 5-21]			
* Urinary Bladder		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 582

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery			
Note: TGL 3-22 There is no mesenteric adipose tissue present. Slide contains eosinophilic amorphous debris covered by numerous rod and cocci bacteria.			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Moderate
	[Hyperplasia TGLS = 2-6]		

PRIMARY CAUSE OF DEATH

- Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 2-21]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-1]		
* Salivary Glands		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103116

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 708

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Eye	Retina	Necrosis	Focal, Moderate
		Pigmentation	Hemosiderin, Focal, Mild
		Retinal Detachment	Focal, Mild
* Heart		Leukemia Mononuclear	
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
[Infarct TGLS = TGL 7-5]			
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = TGL 9-24]			
[Leukemia Mononuclear TGLS = TGL 8-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:39

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 708

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103117

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = TGL 10-2]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 5-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = TGL 6-23]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
Skeletal Muscle		Leukemia Mononuclear	
* Skin		Cyst Epithelial Inclusion Fibroma	
	Subcut Tiss		
[Cyst Epithelial Inclusion TGLS = TGL 11-25]			
[Fibroma TGLS = TGL 1-21, 2-22]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = TGL 4-6]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
Note: C-cell hyperplasia-slide 3.1			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 565

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Mammary Gland	* Nose	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 5-12]			
* Liver	Centrilobular, Hepatocyte	Atrophy	Mild
	Centrilobular	Bile Stasis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Atrophy TGLS = 3-6]			
[Bile Stasis TGLS = 3-6]			
[Vacuolization Cytoplasmic TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Ectasia	Moderate
[Ectasia TGLS = 2-5]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Intermed	Cyst	Moderate
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Hyperkeratosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 565

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103118

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 705

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Brain		Compression	Marked
[Compression TGLS = TGL 7-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Cyst	Moderate
[Cyst TGLS = TGL 3-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = TGL 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = TGL 5-1]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Skin	Pinna	Ulcer	Marked
[Ulcer TGLS = TGL 2-21]			
* Spleen		Pigmentation	Moderate
* Testes	Germinal Epith	Atrophy	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 705

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103119

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Skin Pinna Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Leukemia Mononuclear	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia Leukemia Mononuclear Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus Hyperplasia Leukemia Mononuclear	Multiple Moderate
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Minimal Histiocyte, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Lymph Node, Mesenteric		Ectasia Leukemia Mononuclear	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103120

ORGAN AND ACCOUNTABLE SITE STATUS

[Ectasia TGLS = 4-5]

[Leukemia Mononuclear TGLS = 4-5]

* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild

[Angiectasis TGLS = 6-1]

[Hyperplasia TGLS = 6-1]

* Preputial Gland		Atrophy	Marked
		Inflammation	Chronic, Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Pigmentation	Minimal

[Leukemia Mononuclear TGLS = 2-6]

* Testes	Bilateral, Interstit Cell	Adenoma	
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[Adenoma TGLS = 1-7]

* Thymus		Atrophy	Moderate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	Minimal
* Lung		Leukemia Mononuclear Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103122

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 579

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21, 4-23]			
* Spleen	Lymph Follic	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: NO CORRELATING LESION FOR TGL 4.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus			

Note: NO CORRELATING LESION FOR TGL 3.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Marked
* Bone Marrow		Histiocytic Sarcoma	Metastatic (Skin)
* Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Mild
		Histiocytic Sarcoma	Metastatic (Skin)
* Kidney		Histiocytic Sarcoma	Metastatic (Skin)
		Nephropathy	Mild
		Thrombosis	Mild
	[Histiocytic Sarcoma TGLS = 5-5]		
* Liver	Hepatocyte	Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
* Lung		Histiocytic Sarcoma	Metastatic (Skin)
		Infiltration Cellular	Histiocyte, Mild
	[Histiocytic Sarcoma TGLS = 6-24, 7-24, 8-25, 9-26, 10-27, 11-28, 13-2]		
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-8]		
* Ovary		Histiocytic Sarcoma	Metastatic (Skin)
* Pancreas		Atrophy	Moderate
		Histiocytic Sarcoma	Metastatic (Skin)
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 14-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103125

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Histiocytic Sarcoma TGLS = 1-21, 2-22, 3-23]		Histiocytic Sarcoma	
* Spleen	Lymph Follic	Hyperplasia Pigmentation	Mild Mild
* Thyroid Gland [Histiocytic Sarcoma TGLS = 15-3]		Histiocytic Sarcoma	Metastatic (Skin)
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 PPM

DISP: Natural Death

HISTO: 103126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 4-6]			
[Inflammation TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-22]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-21, 3-7, 5-7]			

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
Note: TGL 3-22 Abnormal fissures and lobulations are not routinely tabulated.			
[Basophilic Focus TGLS = 4-6]			
[Hepatocellular Adenoma TGLS = 5-23]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
Note: TGL 2-21 Fibroadenoma with ductlar pattern and prominent myoepithelial cell proliferation.			
[Fibroadenoma TGLS = 1-8, 2-21, 8-24]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 205

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 103127

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: TGL 4-6 Abnormal fissures and lobulations are not routinely tabulated.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 6-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Moderate
Note: TGL 7-22 Abnormal fissures and lobulations are not routinely tabulated.			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 206

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 103128

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-7]

Inflammation

Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 656

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	Vagina		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Compression	Marked
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
		Thrombosis	Mild
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Pigmentation	Mild
[Ectasia TGLS = 5-3]			
[Pigmentation TGLS = 5-3]			
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-21, 4-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 656

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103130

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 704

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Marked
[Compression TGLS = 5-1, 5-1-1]			
* Clitoral Gland		Cyst	Moderate
		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Marked
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lym Node Mesen			
Note: NO CORRELATING LESION FOR TGL 4.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 6-1]			
* Salivary Glands		Atrophy	Mild
* Spleen		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 704

HISTO: 103131

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

* Thymus

* Thyroid Gland

* Uterus

C Cell

Inflammation

Ulcer

Atrophy

Hyperplasia

Hyperplasia

Chronic Active, Mild

Marked

Moderate

Minimal

Cystic, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Glandular Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 8-3]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
[Hyperplasia TGLS = 9-1]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 7-3]			
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103132

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Hyperplasia TGLS = 5-7]

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 2

SEX: Female

DAY ON TEST: 586

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Clitoral Gland	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lacrimal Gland	Larynx	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Myelofibrosis	Marked
* Brain		Hemorrhage	Minimal
* Eye		Edema	Mild
		Retinal Detachment	Mild
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Mammary Gland		Cyst	Moderate
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 2

SEX: Female

DAY ON TEST: 586

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103133

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 2-21]	Fat	Necrosis	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 1-6]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 5-10]		Pheochromocytoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 6-6]		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-21] [Hyperplasia TGLS = 1-8]		Fibroadenoma Hyperplasia	Marked
Mesentery [Necrosis TGLS = 3-22]	Fat	Necrosis	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Uterus [Hyperplasia TGLS = 4-7]		Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103134

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-21]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			
* Pancreas		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Uterus		Polyp Stromal	

Note: Stromal polyp contains areas of decidual alteration.

[Polyp Stromal TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 2-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-21]		
* Pancreas		Atrophy	Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Necrosis	Focal, Mild
[Necrosis TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-8, 2-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 701

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Necrosis	Mild
* Bone Marrow		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Mild
		Thrombosis	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Thrombosis	Marked
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Hepatodiaphragmatic Nodule TGLS = 4-21]		
	[Thrombosis TGLS = 5-22]		
	[Vacuolization Cytoplasmic TGLS = 2-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Moderate
		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 7-23]		
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 216

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 701
HISTO: 103138

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 6-1]

* Spleen

Note: NO CORRELATING LESION FOR TGL 3.

* Stomach, Forestomach

Edema
Inflammation
Erosion

Mild
Acute, Minimal
Moderate

* Stomach, Glandular

Note: erosion-slide 4-1

* Uterus

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
Vagina			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Thrombosis	Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 7-7]			
* Ovary		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 217	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO: 103139
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ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 9-7]			
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 3-6, 4-6]			
* Thymus		Atrophy	Moderate
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 11-22 Slide contains a section of skeletal muscle (diaphragm) and liver.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Natural Death

HISTO: 103140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Harderian Gland	* Heart	Lacrimal Gland	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Pancreas	* Thyroid Gland	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Clitoral Gland		Adenoma	
* Liver	Hepatocyte	Clear Cell Focus	
[Vacuolization Cytoplasmic TGLS = 3-6]		Vacuolization Cytoplasmic	Marked
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-2]			
* Mammary Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 7-4]			
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Natural Death

HISTO: 103140

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 1-21, 3-22]		
	[Hyperplasia TGLS = 2-8, 5-23]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 103141

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Pars Distalis	Hyperplasia	Focal, Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Atrophy	Moderate
		Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 666

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	
		Hyperplasia	Mild
[Cyst TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 666

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103142

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-7]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
[Cyst TGLS = 6-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103143

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 410

DOSE: 0 PPM

DISP: Natural Death

HISTO: 103144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver	Centrilobular	Necrosis	Marked
[Necrosis TGLS = 3-6]			
* Lung	Serosa	Hemorrhage	Marked
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Necrosis	Moderate
Note: Lung, serosa-mesothelial cell hyperplasia			
[Hemorrhage TGLS = 5-23]			
[Hyperplasia TGLS = 5-23, 6-2]			
[Necrosis TGLS = 5-23]			
Lymph Node	Deep Cervical	Ectasia	Mild
	Mediastinal	Ectasia	Mild
	Deep Cervical	Hemorrhage	Mild
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 4-3]			
[Ectasia TGLS = 7-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 222	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: 410 HISTO: 103144
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ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 7-22] [Hemorrhage TGLS = 4-3] Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-21] * Nose		Inflammation	Chronic, Mild
* Pituitary Gland [Hyperplasia TGLS = 8-1]	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH	- Liver Centrilobular Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Lung Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6]			
[Hepatodiaphragmatic Nodule TGLS = 7-25]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21, 3-22, 4-23]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Moderate
Note: Leukemia also observed on slide # 6.			
[Leukemia Mononuclear TGLS = 5-24]			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103145

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tongue

Epithelium

Hyperplasia

Mild

[Hyperplasia TGLS = 9-26]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 647

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hypertrophy	Focal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21, 3-22]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 224

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 647
HISTO: 103146

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]

* Thyroid Gland

C Cell

Pigmentation

Minimal

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6, 5-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 2-1]			
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Hemorrhage TGLS = 4-6]		Hemorrhage	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	
[Cyst TGLS = 3-21]		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 1-8]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103149

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 3-6]		
	[Hepatodiaphragmatic Nodule TGLS = 2-22]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Adenoma	
	[Adenoma TGLS = 1-21]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 396

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Brain		Hemorrhage	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: NO CORRELATING LESIONS FOR TGLS 3,4.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
Zymbal's Gland		Carcinoma	

[Carcinoma TGLS = 1-21]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
		[Fibroadenoma TGLS = 2-21, 3-22]	
		[Hyperplasia TGLS = 1-8]	
* Ovary		Cyst	Moderate
		[Cyst TGLS = 5-7]	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-21]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Metaplasia	Osseous, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103153

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Moderate

[Cyst TGLS = 7-1]

* Spleen

Leukemia Mononuclear

Pigmentation

Minimal

[Leukemia Mononuclear TGLS = 1-6]

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 597

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hemorrhage TGLS = 5-2]			
Lymph Node	Deep Cervical	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-21]			
* Mammary Gland		Cyst	Moderate
		Hyperplasia	Mild
[Cyst TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 597

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103154

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Eye		Cataract	Marked
	Retina	Degeneration	Marked
[Cataract TGLS = 8-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 2-6]			
[Hepatocellular Adenoma TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 7-1]			
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103155

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Hemorrhage

Marked

Polyp Stromal

[Hemorrhage TGLS = 4-23]

[Polyp Stromal TGLS = 5-23]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-22]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Marked
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Pigmentation	Mild
[Ectasia TGLS = 5-3]			
[Pigmentation TGLS = 5-3]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103156

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
		Ultimobranchial Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
* Ovary		Granulosa-Theca Tumor Benign	
	Note: This ovarian mass resembles the undifferentiated gonadal stromal tumor in the PATHOLOGY OF THE FISCHER RAT BOOK (437-438)		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 666

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
* Brain		Compression	Moderate
[Compression TGLS = 8-1]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Minimal
		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	
[Cyst TGLS = 2-8]		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21, 4-22, 5-23]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 6-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 236

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 666
HISTO: 103158

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Pigmentation
Atrophy

Moderate
Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression;Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Brain		Gliosis	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-21]			
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-8]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Int Sm Jejunum			
Note: Section of jejunum is located on slide #4			
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 5-2]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 4-3]			
[Hyperplasia TGLS = 4-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103160

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]		Hyperplasia	Marked
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-1]		
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 6-10, 8-22]		Pheochromocytoma Malignant	
* Clitoral Gland [Adenoma TGLS = 3-23]		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Marked
Mesentery [Necrosis TGLS = 4-21]	Fat	Necrosis	Moderate
* Pancreas		Atrophy	Minimal
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 241

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO: 103163

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Polyp Stromal TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-5]			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 710

DOSE: 0 PPM

DISP: Natural Death

HISTO: 103165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Harderian Gland
* Intestine Large, Rectum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Liver		Thrombosis	Marked
		Hepatodiaphragmatic Nodule	Mild
		Leukemia Mononuclear	
	Centrilobular Hepatocyte	Necrosis	Moderate
		Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-22]		
	[Necrosis TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 243	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: 710 HISTO: 103165
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ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21] [Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 11-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Heart Thrombosis

Animal Note: Intravascular bacteria through out the tissues

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland [Cyst TGLS = 1-8]		Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver [Hepatodiaphragmatic Nodule TGLS = 3-21]		Clear Cell Focus Hepatodiaphragmatic Nodule	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Ovary [Cyst TGLS = 5-7]		Cyst	Moderate
* Pituitary Gland [Angiectasis TGLS = 6-1]	Pars Intermed Pars Distalis	Angiectasis Hyperplasia	Mild Focal, Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus [Polyp Stromal TGLS = 4-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
[Adenoma TGLS = 3-10]			
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Mild
Note: NO CORRESPONDING LESION FOR TGL 4.			
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103168

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 669

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 103169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Thyroid Gland
* Trachea	* Urinary Bladder	Vagina	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
		Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-7]		
* Lymph Node, Mesenteric		Pigmentation	Hemosiderin, Mild
	[Pigmentation TGLS = 4-5]		
* Mammary Gland		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 247	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 669 HISTO: 103169
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ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Hyperplasia	Moderate
* Pituitary Gland	Rathkes Cleft	Leukemia Mononuclear	
[Hemorrhage TGLS = 7-1]		Hemorrhage	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Forestomach		Ulcer	Mild
* Stomach, Glandular		Erosion	Mild
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-21]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-22]			
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-7]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 103170

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung	Alveolar Epith	Hemorrhage	Minimal
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Cervix	Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103171

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Hemorrhage TGLS = 5-7]

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Moderate
[Hyperplasia TGLS = 5-8]			
* Pituitary Gland	Pars Intermed	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Cyst TGLS = 4-1]			
[Hyperplasia TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 103172

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: NO CORRESPONDING LESION FOR TGL 3.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
Note: TGL 4-22, includes necrotic adipose tissue with chronic inflammation, fibrosis, and osseous metaplasia			
[Necrosis TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103173

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 647

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
* Eye		Cataract	Mild
	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-22]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 647

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103174

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 701

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
		Hyperplasia	Focal, Minimal
* Brain		Compression	Moderate
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Basophilic Focus TGLS = 6-6]			
[Vacuolization Cytoplasmic TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Pigmentation	Hemosiderin, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
* Nose		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 701

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103175

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Pigmentation	Marked
	Edema	Marked
	Ulcer	Marked
* Stomach, Glandular	Edema	Mild
* Thymus	Atrophy	Moderate
* Uterus	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 5-7]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Intestine Large, Rectum	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
	Alveolar Epith	Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 4-22]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21, 5-23]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103176

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Cyst	Moderate
		Leukemia Mononuclear	
* Eye	Bilateral	Retinal Detachment	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6, 3-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-3]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Marked
		[Hyperplasia TGLS = 6-8]	
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 255	TRT#: 4 DOSE: 2000 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 103177
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 5-1]			
* Salivary Glands		Atrophy Leukemia Mononuclear	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia Ultimobranchial Cyst	Mild Moderate
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 3-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: NO CORRESPONDING LESION FOR TGL 5.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21, 6-22]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103178

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-8, 2-21, 3-22]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 5-7]			
* Pancreas		Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Polyp Stromal TGLS = 4-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: Basophilic focus also observed on slide # 6.			
[Basophilic Focus TGLS = 2-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-3]			
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone		Osteopetrosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-21]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6, 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 7-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103182

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-6]

* Stomach, Glandular

Erosion

Minimal

PRIMARY CAUSE OF DEATH

- Clitoral Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Hemorrhage	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-8, 2-21]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
[Polyp Stromal TGLS = 2-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 7-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21, 3-22]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Cyst TGLS = 10-1]			
[Hyperplasia TGLS = 9-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103185

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Cystic, Mild

Polyp Stromal

Note: TGI 6-7-Papillary type proliferation arising from endometrium with endometrial stromal core covered by columnar epithelium and glandular structures at base.

[Hyperplasia TGLS = 4-7]

[Polyp Stromal TGLS = 5-7, 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 684

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Minimal
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Thrombosis	Marked
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Hepatodiaphragmatic Nodule TGLS = 5-21]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 264	TRT#: 4	SEX: Female	DAY ON TEST: 684
	DOSE: 2000 PPM	DISP: Moribund Sacrifice	HISTO: 103186

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 6-2]			
[Leukemia Mononuclear TGLS = 6-2]			
* Lymph Node, Mesenteric	Leukemia Mononuclear		
* Mammary Gland	Hyperplasia		Mild
[Hyperplasia TGLS = 2-8]			
* Ovary	Leukemia Mononuclear		
* Pancreas	Atrophy		Mild
* Pituitary Gland	Leukemia Mononuclear		
[Leukemia Mononuclear TGLS = 7-1]			
* Spleen	Leukemia Mononuclear		
[Leukemia Mononuclear TGLS = 3-6]			
* Thymus	Atrophy		Moderate
* Uterus	Inflammation		Chronic, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Eye		Cataract	Marked
	Retina	Degeneration	Marked
[Cataract TGLS = 1-44]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 528

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Inflammation	Chronic, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Infiltration Cellular	Mononuclear CI, Mild
	Pars Distalis	Pigmentation	Minimal
* Salivary Glands		Atrophy	Mild
* Spleen		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
* Stomach, Glandular		Edema	Mild
		Erosion	Mild
		Inflammation	Acute, Mild
[Erosion TGLS = 3-21]			
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6,5-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	Moderate
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Cystic, Moderate Focal, Minimal
[Degeneration TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Angiectasis	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus Hepatocellular Adenoma Hepatodiaphragmatic Nodule	Mild
[Hepatocellular Adenoma TGLS = 5-24]			
[Hepatodiaphragmatic Nodule TGLS = 3-22, 4-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Pigmentation	Hemosiderin, Mild
[Ectasia TGLS = 6-3]			
[Pigmentation TGLS = 6-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103190

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation
Pigmentation

Minimal
Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Thymus
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INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
Note: Basophilic focus also observed on slide #6. [Basophilic Focus TGLS = 3-21]		
* Lung	Infiltration Cellular	Histiocyte, Mild
* Salivary Glands	Atrophy	Minimal
* Spleen	Pigmentation	Moderate
* Thyroid Gland	Hyperplasia	Minimal
* Uterus	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatocellular Adenoma TGLS = 6-6, 7-21, 9-22]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Pancreatic		
	[Leukemia Mononuclear TGLS = 3-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5]		
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Granulosa Cell Tumor Malignant	
	[Granulosa Cell Tumor Malignant TGLS = 8-23]		
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103192

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Minimal

* Spleen

Leukemia Mononuclear

Pigmentation

Minimal

[Leukemia Mononuclear TGLS = 2-6]

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Hyperplasia	Lymphoid, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: NO CORRESPONDING LESION FOR TGL 4.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 5-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus			

Note: NO CORRESPONDING LESION FOR TGL 3.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
		[Fibroadenoma TGLS = 2-21]	
		[Hyperplasia TGLS = 1-8]	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 5-1]			
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21, 3-22]		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 7-1]			
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-8, 3-22, 4-23]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-24]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103197

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 646

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Mild
		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Marked
[Hemorrhage TGLS = 4-3]			
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	
[Cyst TGLS = 2-8]			
[Fibroadenoma TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 646

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103198

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 1-6]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Brain		Compression	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 4-6]		
	[Hepatodiaphragmatic Nodule TGLS = 5-23]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 7-25]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-21, 3-22]		
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 6-24]		
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103201

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Ultimobranchial Cyst

Moderate

* Uterus

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 652

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 8-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Metaplasia	Osseous, Minimal
[Infiltration Cellular TGLS = 6-2]			
[Inflammation TGLS = 6-2]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-7]			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Metaplasia	Hepatocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-21]			
* Spleen		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 652

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103202

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
		Leukemia Mononuclear	
	[Compression TGLS = 11-1]		
* Clitoral Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 1-8]		
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3]		
	[Leukemia Mononuclear TGLS = 7-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103203

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Marked
Mesentery [Necrosis TGLS = 5-21]	Fat	Necrosis	Mild
* Ovary [Cyst TGLS = 10-7]		Cyst	Moderate
* Pituitary Gland [Leukemia Mononuclear TGLS = 12-1]		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 4-22] [Leukemia Mononuclear TGLS = 3-22]		Fibrosis Leukemia Mononuclear	Moderate
* Thymus		Leukemia Mononuclear	
* Thyroid Gland [Carcinoma TGLS = 9-3]	Follicular Cel C Cell	Carcinoma Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-25, 8-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-2]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-24]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 3-22, 11-26]		
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103204

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 10-1]

* Salivary Glands

Atrophy

Minimal

* Skin

Hyperkeratosis

Moderate

Leukemia Mononuclear

[Hyperkeratosis TGLS = 2-21]

* Spleen

Fibrosis

Moderate

Leukemia Mononuclear

[Fibrosis TGLS = 4-23]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-23]

* Thyroid Gland

C Cell

Adenoma

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 490

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 103205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Vagina

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Colon * Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular	Necrosis	Mild
[Hepatodiaphragmatic Nodule TGLS = 2-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-21]			
* Pancreas		Atrophy	Mild
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 6-24]			
* Uterus		Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 3-23]			

Zymbals GI

Note: No macroscopic/microscopic correlation for TGL 5-7. The fluid observed in the vagina was likely from the uterine stromal polyp.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 490

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 103205

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Minimal
* Clitoral Gland	Inflammation	Chronic, Mild
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
	Thrombosis	Minimal
* Liver	Basophilic Focus	
	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]		
* Pancreas	Atrophy	Minimal
* Skin	Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]		
* Spleen	Leukemia Mononuclear	
	Pigmentation	Mild
* Thymus	Atrophy	Marked
* Uterus	Hyperplasia	Cystic, Marked

Note: TGL 4-7 Focal dilation of uterine horn with lumen filled with amorphous eosinophilic proteinaceous material and brown pigment (hemosiderin).

[Hyperplasia TGLS = 4-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103206

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Vacuolization Cytoplasmic	Cystic, Mild Mild Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hemorrhage	Minimal
[Hemorrhage TGLS = 3-7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-22]			
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 285

TRT#: 4
DOSE: 2000 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 103207

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia
Polyp Stromal

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Minimal
* Clitoral Gland		Cyst	Moderate
		Inflammation	Chronic, Mild
	[Cyst TGLS = 1-8]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 3-21, 4-22]		
	[Hyperplasia TGLS = 2-8]		
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103208

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 3-6]		
	[Hepatodiaphragmatic Nodule TGLS = 2-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
	[Infiltration Cellular TGLS = 4,5-23]		
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Salivary Glands		Atrophy	Minimal
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-21]		
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103209

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Squamous, Mild
[Infiltration Cellular TGLS = 6-24]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21, 3-22]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103210

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 608

DOSE: 2000 PPM

DISP: Natural Death

HISTO: 103211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Adrenal Medulla	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain	Compression	Moderate
* Liver	Basophilic Focus	
* Mammary Gland	Cyst	Moderate
	Fibroadenoma	
[Cyst TGLS = 1-8]		
[Fibroadenoma TGLS = 2-21]		
* Pituitary Gland	Carcinoma	
Note: TGL 3-1 mass is ventral to brain-pituitary gland		
Note: TGL 3-1 Circumscribed, expansile mass composed of pleomorphic, atypical epithelial cells (abundant eosinophilic cytoplasm)		
[Carcinoma TGLS = 3-1]		
* Spleen	Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-22]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-23]			
* Mammary Gland		Hyperplasia	Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103212

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Polyp Stromal TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Stomach, Forestomach	* Trachea	* Urinary Bladder	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Brain		Hemorrhage	Minimal
* Eye		Hemorrhage	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Salivary Glands		Atrophy	Minimal
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 6-21]		
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 3-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 291	TRT#: 4	SEX: Female	DAY ON TEST: 707
	DOSE: 2000 PPM	DISP: Moribund Sacrifice	HISTO: 103213

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Edema	Moderate
		Ulcer	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-3]			
* Uterus		Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lacrimal Gland	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-22]		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-22]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Minimal
	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Brain	Compression	Marked
[Compression TGLS = 5-1]		
* Clitoral Gland	Cyst	Moderate
	Hyperplasia	Minimal
[Cyst TGLS = 2-8]		
* Heart	Cardiomyopathy	Minimal
* Kidney	Leukemia Mononuclear	
	Nephropathy	Mild
* Liver	Basophilic Focus	
	Degeneration	Cystic, Minimal
	Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-21,8-22]		
[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103216

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Salivary Glands		Atrophy	Minimal
* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 2-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-21]		
	[Hyperplasia TGLS = 3-8]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103217

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Ultimobranchial Cyst

Moderate

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Minimal
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Mineralization	Focal, Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Pigmentation	Hemosiderin, Mild
[Ectasia TGLS = 4-3]			
[Pigmentation TGLS = 4-3]			
* Mammary Gland		Adenoma	
		Fibroadenoma	
[Adenoma TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21, 3-22]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103218

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Lymph Follic

Hematopoietic Cell Proliferation

Mild

Hyperplasia

Mild

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 647

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 3-7]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22]		Hyperplasia	Mild
[Hyperplasia TGLS = 6-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 5-1]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Infiltration Cellular	Histiocyte, Marked
		Myelofibrosis	Minimal
* Clitoral Gland		Cyst	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-24]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 4-1]			
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 1-21, 2-22]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103220

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 666

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO: 103221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 2-22, 3-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Cyst	Moderate
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO: 103222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 600

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
		Necrosis	Minimal
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Necrosis	Lymphoid, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Necrosis	Focal, Minimal
[Necrosis TGLS = TGL 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21; 2-8; 3-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = TGL 5-1]			
* Salivary Glands		Atrophy	Mild
* Skin		Cyst Epithelial Inclusion	
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 600

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103223

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia Adenoma	Mild Focal, Moderate
* Clitoral Gland [Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 3-6]		Basophilic Focus Clear Cell Focus	
* Lung [Infiltration Cellular TGLS = 4-22]		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 5-21]		Fibroadenoma	
* Pancreas		Atrophy	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-21]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-23, 2-22]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
Note: Adenoma present on slide 1.1			
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103225

ORGAN AND ACCOUNTABLE SITE STATUS

Polyp Stromal

[Polyp Stromal TGLS = 4-24]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Adenoma	
		Inflammation	Chronic, Marked
[Adenoma TGLS = 2-8]			
[Inflammation TGLS = 2-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-23]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103226

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-8]

* Pancreas	Atrophy	Minimal
* Salivary Glands	Atrophy	Minimal
* Spleen	Pigmentation	Moderate
* Thymus	Atrophy	Moderate
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
[Angiectasis TGLS = 4-1]			
* Skin		Cyst Epithelial Inclusion	
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103227

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
		Polyp Stromal	

[Polyp Stromal TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 634

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Brain		Compression	Marked
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
[Eosinophilic Focus TGLS = 4-22]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 9-2]			
[Infiltration Cellular TGLS = 9-2]			
Lymph Node	Mediastinal	Ectasia	Marked
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 5-3]			
[Hemorrhage TGLS = 5-3]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 306	TRT#: 6	SEX: Female	DAY ON TEST: 634
	DOSE: 10000 PPM	DISP: Moribund Sacrifice	HISTO: 103228

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa		Squamous Cell Carcinoma	
Note: mass located in pharynx on palate [Squamous Cell Carcinoma TGLS = 6-24]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-23]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Marked
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Compression;Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-24]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21, 3-22]			
* Pancreas		Atrophy	Moderate
* Salivary Glands		Atrophy	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103229

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Leukemia Mononuclear	
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
		Pigmentation	Mild
	[Leukemia Mononuclear TGLS = 4-6]		
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Hyperplasia	Cystic, Mild
		Inflammation	Chronic, Mild
		Polyp Stromal	
	[Inflammation TGLS = 6-23]		
	[Polyp Stromal TGLS = 7-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 646

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
Vagina			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Marked
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
		Inflammation	Chronic, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Lymphoma Malignant	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Lymphoma Malignant TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Pancreatic	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-7]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Mild
[Angiectasis TGLS = 7-1]			
* Salivary Glands		Vacuolization Cytoplasmic	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:40
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 308	TRT#: 6	SEX: Female	DAY ON TEST: 646
	DOSE: 10000 PPM	DISP: Moribund Sacrifice	HISTO: 103230

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Lymphoma Malignant TGLS = 6-6, 1-21]	Lymphoma Malignant	
* Stomach, Glandular	Erosion	Minimal
* Thymus	Atrophy	Marked
* Uterus	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Infarct	Chronic, Mild
	Papilla	Inflammation	Suppurative, Mild
		Nephropathy	Minimal
[Infarct TGLS = 7-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-22, 4-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-24]			
* Lymph Node, Mesenteric		Hyperplasia	Reticulum Cell, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery		Fibrosis	Mild
[Fibrosis TGLS = 2-21]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Intermed	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103231

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-1]	Pars Distalis	Hyperplasia	Focal, Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-21]		Hyperplasia	Marked
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Skin		Cyst Epithelial Inclusion	
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 476

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-22]			
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-21]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
Spinal Cord		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 476

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103233

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Leukemia Mononuclear Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 2-6]		
* Thymus	Atrophy	Marked
* Uterus	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
[Polyp Stromal TGLS = 2-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 4-1]	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Stomach, Glandular	* Trachea	

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Minimal
* Brain		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
Note: NO CORRELATING LESION FOR TGL 9.			
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-24]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103236

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-3]			
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-23]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
		Leukemia Mononuclear	
[Cyst TGLS = 13-1]			
* Salivary Glands		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 14-25]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Minimal
		Leukemia Mononuclear	
		Polyp Stromal	
[Polyp Stromal TGLS = 3-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 3-1]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tongue		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103237

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 4-21]

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:40

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-22]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
[Leukemia Mononuclear TGLS = 4-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 316	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 10000 PPM	DISP: Terminal Sacrifice	HISTO: 103238

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-21]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 10-1]			
* Spleen		Leukemia Mononuclear Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 3-6]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
Note: NO CORRELATING LESION FOR TGL 4. [Mixed Cell Focus TGLS = 6-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 1-21] [Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103239

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 1-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-21]		
* Ovary		Cyst	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 432

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
		Hemorrhage	Mild
[Compression TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
	Centrilobular	Necrosis	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
* Spleen		Pigmentation	Mild
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 474

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Brain		Oligodendroglioma Malignant	
	[Oligodendroglioma Malignant TGLS = 1-1]		
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Brain Oligodendroglioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Brain		Compression	Mild
[Compression TGLS = 10-1]			
* Clitoral Gland		Hyperplasia	Moderate
* Harderian Gland		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
[Basophilic Focus TGLS = 7-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-25]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 8-2]			
* Lymph Node, Mandibular		Ectasia	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21, 2-22, 3-23, 4-24]			
[Hyperplasia TGLS = 5-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103243

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Pigmentation	Marked
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Compression;Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Mild
		Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: Basophilic focus and clear cell focus also observed on slide #6.			
		[Basophilic Focus TGLS = 6-24]	
		[Clear Cell Focus TGLS = 6-24]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
		[Fibroadenoma TGLS = 1-21, 3-22]	
		[Hyperplasia TGLS = 2-8]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 4-23]	
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103244

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
		Necrosis	Focal, Mild
[Inflammation TGLS = 4-6]			
[Necrosis TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 7-24]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21, 3-22, 5-23, 8-25]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103246

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Clitoral Gland		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: NO CORRELATING LESION FOR TGL 4.			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-8, 2-21]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-22]			
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103247

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Mild
	Hyperplasia	Focal, Mild
* Heart	Cardiomyopathy	Minimal
* Intestine Large, Colon	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 7-25]		
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-24]		
* Mammary Gland	Fibroadenoma	
	Fibrosarcoma	
	Hyperplasia	Mild
Note: TGL 1-21-Fibroadenoma composed of acinar structures surrounded by atypical fibrous stroma (densely cellular, pleomorphic spindle cells, 0-3 mitotic figures/hpf)		
[Fibroadenoma TGLS = 1-21, 2-22]		
[Hyperplasia TGLS = 3-8]		
* Pancreas	Atrophy	Minimal
* Skin	Fibrosis	Marked
	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103248

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 6-23 Marked dermal fibrosis and minimal chronic inflammation with intralesional foreign body (hair shaft)

[Fibrosis TGLS = 6-23]

[Inflammation TGLS = 6-23]

* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 647

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-24]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21, 4-22]			
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Rathkes Cleft	Hemorrhage	Moderate
[Adenoma TGLS = 9-1]			
[Hemorrhage TGLS = 9-1]			
* Spleen	Lymph Follic	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 647

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103249

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Pigmentation

Mild

* Uterus

Atrophy

Moderate

Hyperplasia

Cystic, Minimal

Polyp Stromal

[Polyp Stromal TGLS = 5-7]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Mammary Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103250

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
	[Basophilic Focus TGLS = 5-6]		
	[Hepatodiaphragmatic Nodule TGLS = 4-23]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
	[Hyperplasia TGLS = 6-24]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-21, 2-22]		
* Ovary		Cyst	Moderate
	[Cyst TGLS = 3-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-1]		
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103251

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 2-6]		
	[Clear Cell Focus TGLS = 2-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-21]		
* Pancreas		Atrophy	Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
Ear	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung			
	Note: NO CORRELATING LESION FOR TGL 4.		
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8, 5-22]		
* Ovary		Granulosa-Theca Tumor Benign	
	Note: This ovarian mass resembles the undifferentiated gonadal stromal tumor in the PATHOLOGY OF THE FISCHER RAT book (437-438).		
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Spleen		Leukemia Mononuclear	
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103253

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Uterus

Polyp Stromal

Note: TGL 2-7 polyp-diffuse necrosis with numerous degenerate neutrophils.

[Polyp Stromal TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 5-1]			
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21, 7-24, slide 8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-22]			
* Uterus		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103254

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]			
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 708

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Compression	Marked
[Compression TGLS = 8-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Ectasia	Moderate
		Leukemia Mononuclear	
[Ectasia TGLS = 5-5]			
[Leukemia Mononuclear TGLS = 5-5]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-8, 3-22]			
* Nose	Turbinate	Dysplasia	Marked
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 334	TRT#: 6	SEX: Female	DAY ON TEST: 708
	DOSE: 10000 PPM	DISP: Moribund Sacrifice	HISTO: 103256

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 7-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Leukemia Mononuclear Pigmentation	Mild
[Leukemia Mononuclear TGLS = 4-6]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear			
CONTRIBUTORY CAUSE OF DEATH	- Brain	Compression;	Mammary Gland	Carcinoma;	Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 654

DOSE: 10000 PPM

DISP: Natural Death

HISTO: 103257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Degeneration	Fatty, Mild
		Hypertrophy	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Skin		Keratoacanthoma	
		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 335	TRT#: 6	SEX: Female	DAY ON TEST: 654
	DOSE: 10000 PPM	DISP: Natural Death	HISTO: 103257

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ulcer-slide 21
[Keratoacanthoma TGLS = 1-21]

* Spleen		Hemorrhage Leukemia Mononuclear	Moderate
	[Hemorrhage TGLS = 3-22] [Leukemia Mononuclear TGLS = 2-6]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
* Thymus		Atrophy	Marked
* Urinary Bladder		Edema	Moderate

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Skin Keratoacanthoma;Skin Ulcer;Spleen Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: NO CORRELATING LESION FOR TGL 4.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 5-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103258

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 6-25]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 5-3]			
[Hyperplasia TGLS = 5-3]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21, 3-22, 9-26]			
[Hyperplasia TGLS = 2-8]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 4-23]			
* Pituitary Gland		Hemorrhage	Minimal
[Hemorrhage TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103259

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Hyperkeratosis	Marked
	Epithelium	Hyperplasia	Moderate
	[Hyperkeratosis TGLS = 8-24]		
	[Hyperplasia TGLS = 8-24]		
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 653

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
		[Fibroadenoma TGLS = 1-21]	
		[Hyperplasia TGLS = 3-8]	
* Ovary		Cyst	Moderate
		[Cyst TGLS = 5-7]	
* Pituitary Gland	Pars Intermed	Cyst	Moderate
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6]	
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 653

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103260

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 2-6]		
	[Hepatodiaphragmatic Nodule TGLS = 1-21]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Minimal
	[Alveolar/Bronchiolar Carcinoma TGLS = 4-22]		
* Mammary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 7-23]		
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103261

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia
Polyp Stromal

Cystic, Marked

[Polyp Stromal TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	Peripheral Nerve	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Moderate
* Eye		Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLS = 5-44]		
	[Degeneration TGLS = 5-44]		
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 2-6]	Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
	Note: Alveolar epithelial hyperplasia also observed on slide # 2.		
	[Hyperplasia TGLS = 3-22]		
* Mammary Gland		Fibroadenoma	
	Note: Fibroadenoma also observed on slide #8.		
	[Fibroadenoma TGLS = 1-21]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103262

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

* Salivary Glands

Atrophy

Minimal

* Spleen

Pigmentation

Moderate

* Thymus

Atrophy

Moderate

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
	[Leukemia Mononuclear TGLS = 7-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-21]		
	[Hyperplasia TGLS = 2-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 341	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 10000 PPM	DISP: Terminal Sacrifice	HISTO: 103263

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-22]			
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Inflammation	Chronic, Marked
Note: NO CORRELATING LESION FOR TGL 6. [Inflammation TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-24]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21, 2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Atrophy	Minimal
* Spleen		Hyperplasia Pigmentation	Lymphoid, Focal, Marked Mild
[Hyperplasia TGLS = 3-23]			
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 607

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Focal, Minimal
* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = TGL 1-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = TGL 2-21]			
* Pancreas		Atrophy	Minimal
* Salivary Glands		Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Marked
[Compression TGLS = 8-1]			
* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 344	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 10000 PPM	DISP: Terminal Sacrifice	HISTO: 103266

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Carcinoma TGLS = 9-1]	Pars Distalis	Carcinoma	
* Salivary Glands		Atrophy	Minimal
* Skin		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 7-22] [Leukemia Mononuclear TGLS = 7-22]			
* Spleen		Leukemia Mononuclear	
		Pigmentation	Mild
[Leukemia Mononuclear TGLS = 5-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia	Mild Focal, Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 4-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic, Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Hyperplasia	Cystic, Minimal
[Polyp Stromal TGLS = 1-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103267

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-21]		
	[Leukemia Mononuclear TGLS = 4-22,5-23,6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Ectasia	Moderate
	Pancreatic	Leukemia Mononuclear	
	[Ectasia TGLS = 2-7]		
	[Leukemia Mononuclear TGLS = 2-7]		
* Mammary Gland		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103268

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21, 2-22]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103269

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Adenoma

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 3-7]			
[Hyperplasia TGLS = 3-7]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21, 4-22]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103270

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hypertrophy Leukemia Mononuclear	Mild Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Hepatocellular Adenoma Hyperplasia Leukemia Mononuclear	
	Bile Duct		Mild
	[Basophilic Focus TGLS = 6-6]		
	[Hepatocellular Adenoma TGLS = 7-23]		
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma Hyperplasia	Mild
	[Fibroadenoma TGLS = 2-21, 3-22]		
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 103271

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 4-6]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO: 103272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 3-1]			
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen	Lymph Follic	Hyperplasia	Minimal
		Pigmentation	Marked
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Lung		Foreign Body	Minimal
[Infiltration Cellular TGLS = 2-21]		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Moderate
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103273

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 4-7]

Vagina

Polyp

[Polyp TGLS = 6-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
[Angiectasis TGLS = 4-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Minimal
		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Esophagus		Infiltration Cellular	Lymphocyte, Moderate
* Eye	Cornea	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Lymphocyte, Mild
		[Infiltration Cellular TGLS = 2-6]	
* Lung		Foreign Body	Moderate
		Hemorrhage	Minimal
		Hyperplasia	Lymphoid, Mild
		Note: pyogranulomatous inflammation with plant/food material.	
Lymph Node	Mediastinal	Hyperplasia	Mild
		[Hyperplasia TGLS = 4-3]	
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103275

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1]

* Skin	Inflammation	Chronic, Minimal
* Spleen	Pigmentation	Marked
* Thymus	Atrophy	Moderate
* Uterus	Angiectasis	Moderate
	Polyp Stromal	

[Polyp Stromal TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 1-21]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-22]			
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Mild
Note: Focal acinar hyperplasia on slide #22			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 604

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Mild
	[Compression TGLS = 14-1]		
* Heart		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 17-12]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	Note: TGL 7-22 Abnormal fissures and lobulations are not routinely tabulated.		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 10-2]		
	[Leukemia Mononuclear TGLS = 11-2]		
Lymph Node	Axillary	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 8

DOSE: 50000 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 604

HISTO: 103277

ORGAN AND ACCOUNTABLE SITE STATUS

Deep Cervical
Mediastinal
Pancreatic

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Note: TGL 13-25 axillary lymph node

[Leukemia Mononuclear TGLS = 13-25]

[Leukemia Mononuclear TGLS = 3-21]

[Leukemia Mononuclear TGLS = 9-23]

[Leukemia Mononuclear TGLS = 12-24]

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 4-27]

Leukemia Mononuclear

* Mammary Gland

Hyperplasia

Mild

* Ovary

Leukemia Mononuclear

* Pancreas

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 16-21]

* Pituitary Gland

Leukemia Mononuclear

* Salivary Glands

Leukemia Mononuclear

* Skin

Leukemia Mononuclear

* Spleen

Infarct

Marked

Leukemia Mononuclear

Thrombosis

Mild

[Infarct TGLS = 2-26]

[Leukemia Mononuclear TGLS = 1-26]

* Stomach, Forestomach

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-3]

* Urinary Bladder

Leukemia Mononuclear

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4-22]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland		Hemorrhage	Moderate
	[Hemorrhage TGLS = 3-1]		
* Skin		Basal Cell Carcinoma	
	[Basal Cell Carcinoma TGLS = 1-21]		
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Marked
		Polyp Stromal	
	[Polyp Stromal TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103278

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
Note: NO CORRESPONDING LESION FOR TGL 2.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration	Minimal Fatty, Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear Compression	Moderate
	[Compression TGLS = 6-1]	Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Marked
* Liver		Basophilic Focus Clear Cell Focus Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLS = 3-6]		
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-8]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 358	TRT#: 8	SEX: Female	DAY ON TEST: 737
	DOSE: 50000 PPM	DISP: Terminal Sacrifice	HISTO: 103280

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

* Skin

Subcut Tiss

Fibroma

Note: TGL 1-21 Raised polypoid mass with fibrous connective tissue core, cartilagenous metaplasia and covered by markedly hyperplastic and hyperkeratotic epithelium.

[Fibroma TGLS = 1-21]

* Spleen

Leukemia Mononuclear

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Adenoma

* Uterus

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
		Hypertrophy	Mild
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-23]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21, 3-22]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103281

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-22]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung			
Note: NO CORRESPONDING LESION FOR TGL 3.			
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Minimal
* Bone Marrow	Leukemia Mononuclear	
* Brain	Leukemia Mononuclear	
[Compression TGLS = 8-1]	Compression	Marked
* Clitoral Gland	Cyst	Moderate
[Cyst TGLS = 3-8]		
* Heart	Cardiomyopathy	Minimal
* Kidney	Leukemia Mononuclear	
	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
	Leukemia Mononuclear	
[Inflammation TGLS = 10-22]		
[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Hemorrhage	Mild
	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
[Hemorrhage TGLS = 7-2]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Hyperplasia	Marked
[Hyperplasia TGLS = 2-8]		
* Ovary	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 361	TRT#: 8	SEX: Female	DAY ON TEST: 729
	DOSE: 50000 PPM	DISP: Terminal Sacrifice	HISTO: 103283

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Skin [Hyperplasia TGLS = 1-21] [Ulcer TGLS = 1-21]	Epidermis	Hyperplasia Ulcer	Mild Moderate
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Hyperplasia TGLS = 5-7]		Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: NO CORRESPONDING LESION FOR TGL 2.			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 3-8]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103284

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
		[Basophilic Focus TGLS = 4-6]	
		[Hepatodiaphragmatic Nodule TGLS = 5-23]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
		[Fibroadenoma TGLS = 1-21, 2-22]	
		[Hyperplasia TGLS = 3-8]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 6-24]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 7-1]	
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103285

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
Mesentery		Accessory Spleen	
	[Accessory Spleen TGLS = 3-22]		
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-1]		
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 675

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Rectum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Thrombosis	Minimal
[Basophilic Focus TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Thrombosis	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 8-1]			
* Skin		Inflammation	Chronic, Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Urinary Bladder		Edema	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 675

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103288

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Cystic, Marked

Polyp Stromal

[Hyperplasia TGLS = 4-7, 9-7]

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Brain		Compression	Marked
[Compression TGLS = 9-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
Note: TGL 12-24 Abnormal fissures and lobulations are not routinely tabulated.			
[Basophilic Focus TGLS = 6-6]			
[Hepatodiaphragmatic Nodule TGLS = 7-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Pigmentation	Mild
[Hemorrhage TGLS = 4-7]			
[Pigmentation TGLS = 4-7]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Marked
[Carcinoma TGLS = 3-22]			
[Fibroadenoma TGLS = 2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 367	TRT#: 8	SEX: Female	DAY ON TEST: 737
	DOSE: 50000 PPM	DISP: Terminal Sacrifice	HISTO: 103289

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Marked
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 8-3]			
Tongue	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 11-25]			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 690

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 7-22]		Necrosis	Mild
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 8-23]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 4-21]			
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 368	TRT#: 8	SEX: Female	DAY ON TEST: 690
	DOSE: 50000 PPM	DISP: Moribund Sacrifice	HISTO: 103290

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Necrosis TGLS = 2-7]		Necrosis	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Minimal
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
Note: NO CORRESPONDING LESION FOR TGL 3. [Hepatodiaphragmatic Nodule TGLS = 4-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103291

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
Note: Basophilic focus also observed on slides 6, 23, and 24.			
[Basophilic Focus TGLS = 7-26]			
[Eosinophilic Focus TGLS = 4-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21, 3-22]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-25]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103292

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Marked
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 6-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Eye		Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLS = 4-44]		
	[Degeneration TGLS = 4-44]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 3-6]	Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
	[Hyperplasia TGLS = 8-22, 10-24]	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 1-8, 9-23]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		
* Skin		Hyperkeratosis	Marked
	[Hyperkeratosis TGLS = 2-21]		
* Spleen		Pigmentation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103294

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 646

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Mild
		Necrosis	Focal, Minimal
[Basophilic Focus TGLS = 6-6]			
[Hepatodiaphragmatic Nodule TGLS = 5-21]			
[Necrosis TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 7-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-8]			
* Skin	Subcut Tiss	Fibrosarcoma	
Note: Fibrosarcoma encroaching on adjacent mammary gland			
[Fibrosarcoma TGLS = 2-22]			
* Spleen		Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 646

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103295

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 4-6]

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: NO CORRESPONDING LESION FOR TGL 5.			
* Lung		Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic, Mild
[Inflammation TGLS = 7-22]			
* Mammary Gland		Fibroadenoma Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus		Hyperplasia Polyp Stromal	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103296

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Spleen
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OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-25]			
* Heart		Cardiomyopathy	Minimal
[Schwannoma Malignant TGLS = 10-24]		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-2]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-22, 5-23]		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 9-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103297

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 2-21]

* Thymus

Atrophy

Marked

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 8-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: NO CORRESPONDING LESION FOR TGL 3.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Nose		Foreign Body	Mild
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103298

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-23]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21, 4-22, 6-25]		Hyperplasia	Moderate
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Marked
* Salivary Glands		Atrophy	Mild
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103299

ORGAN AND ACCOUNTABLE SITE STATUS

Note: C-cell adenoma on slide #3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 586

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Cyst	Moderate
		Hyperplasia	Mild
[Cyst TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 5-4]			
Vagina			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 586

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103300

ORGAN AND ACCOUNTABLE SITE STATUS

Note: vagina-physiologic change

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-24]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21, 3-22, 8-25]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-23]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103301

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung			
Note: NO CORRELATING LESION FOR TGL 5.			
* Mammary Gland		Adenoma	
		Fibroadenoma	
[Adenoma TGLS = 3-8]			
[Fibroadenoma TGLS = 1-21, 2-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Lipoma	
		Pigmentation	Moderate
[Lipoma TGLS = 8-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103302

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-22]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Note: NO CORRESPONDING LESION FOR TGL 4.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 3-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Carcinoma	
Note: C-cell carcinoma also observed on slide #3.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103303

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 5-23]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 3-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 4-21, 6-23]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Moderate
[Compression TGLS = 9-1]			
* Clitoral Gland		Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
Note: TGL 7-21 Abnormal fissures and lobulations are not routinely tabulated.			
[Hepatodiaphragmatic Nodule TGLS = 6-24]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
[Hyperplasia TGLS = 8-25]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 383	TRT#: 8	SEX: Female	DAY ON TEST: 737
	DOSE: 50000 PPM	DISP: Terminal Sacrifice	HISTO: 103305

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21, 2-22]			
[Hyperplasia TGLS = 3-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Spleen		Leukemia Mononuclear Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 603

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Compression	Marked
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Congestion	Mild
[Congestion TGLS = 5-2]		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
Note: TGL 2-21 Fibroadenoma composed primarily of fibrous connective tissue stroma with few glandular acini.		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 603

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103306

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Necrosis	Focal, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Basophilic Focus TGLS = 4-6]			
[Vacuolization Cytoplasmic TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103307

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Moderate

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 5-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	Peripheral Nerve
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 2-21, 3-22, 4-23]		
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hyperplasia	Focal, Mild
* Clitoral Gland		Adenoma	
		Inflammation	Chronic, Mild
	[Adenoma TGLS = 1-8]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 2-8]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 1-21]			
[Fibroadenoma TGLS = 4-23]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103312

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
Mesentery		Accessory Spleen	
	Fat	Necrosis	Mild
[Accessory Spleen TGLS = 3-22]			
[Necrosis TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 5-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 10/20/2014
Time Report Requested: 14:56:41
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103313

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia
Polyp Stromal

Cystic, Mild

[Polyp Stromal TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 1-21-1; 2-21]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-2]			
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-8, 2-21, 3-22, 4-23, 6-24]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hypertrophy	Marked
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Marked
	[Compression TGLS = 11-1]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
	[Leukemia Mononuclear TGLS = 3-7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103316

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Hyperplasia	Marked
[Fibroadenoma TGLS = 9-21, 10-22]			
[Hyperplasia TGLS = 1-8]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 12-1]			
* Salivary Glands		Atrophy Leukemia Mononuclear	Mild
* Spleen		Leukemia Mononuclear Pigmentation	Minimal
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Forestomach		Erosion	Mild
* Thymus		Atrophy	Marked
* Uterus		Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 5-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Compression; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
		[Fibroadenoma TGLS = 2-21]	
		[Hyperplasia TGLS = 1-8]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen	Lymph Follic	Hyperplasia	Mild
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Eye		Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
		Trichoepithelioma	
	[Fibrosarcoma TGLS = 1-21, 5-21-1]		
	[Trichoepithelioma TGLS = 2-22]		
* Spleen		Pigmentation	Marked
* Stomach, Glandular		Erosion	Minimal
	[Erosion TGLS = 4-4]		
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50000 PPM

DISP: Natural Death

HISTO: 103318

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Brain		Compression	Marked
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hyperplasia	Lymphoid, Focal, Moderate
[Hyperplasia TGLS = 2-22]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103319

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 5-6, 8-24]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 6-2]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-21, 2-22]		
	[Hyperplasia TGLS = 3-8]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 4-23]		
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Uterus		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 7-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Minimal
	Hyperplasia	Focal, Minimal
* Brain	Hemorrhage	Mild
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Clear Cell Focus	
Note: NO CORRELATING LESION FOR TGL 7.		
* Lung	Infiltration Cellular	Histiocyte, Minimal
	[Infiltration Cellular TGLS = 8-2]	
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Moderate
	[Fibroadenoma TGLS = 3-22, 4-23, 6-24, 9-25]	
	[Hyperplasia TGLS = 2-8]	
* Ovary	Cyst	Moderate
	[Cyst TGLS = 5-7]	
* Pancreas	Atrophy	Minimal
* Salivary Glands	Atrophy	Minimal
* Skin	Hyperkeratosis	Moderate
	Sebaceous GI	
	Hyperplasia	Mild

Note: TGL 1-21 Atypical fibrous polyp with dysplastic hair follicles and sebaceous glands.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50000 PPM

DISP: Terminal Sacrifice

HISTO: 103321

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperkeratosis TGLS = 1-21]

[Hyperplasia TGLS = 1-21]

* Spleen		Pigmentation	Marked
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99027-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 10/20/2014

Time Report Requested: 14:56:41

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 604

DOSE: 50000 PPM

DISP: Moribund Sacrifice

HISTO: 103322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Pigmentation	Marked
* Stomach, Forestomach		Edema	Mild
		Ulcer	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
Vagina		Inflammation	Mild
[Inflammation TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE