

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

C Number: C61223A

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_549

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma, Malignant
Epididymis		Mesothelioma, Invasive
Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatocellular Carcinoma
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Hyperplasia, Focal
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
	Scrotum Nos	Mesothelioma, Invasive
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Pheochromocytoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_550

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma Thrombosis, Nos
Bone marrow		Hypoplasia, Nos
Eye		Cataract
Heart	Retina	Degeneration, Nos
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse
Liver		Inflammation, Chronic Diffuse
Lung		Focal Cellular Change Fibrosis, Diffuse Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
Parathyroid gland	Islets	Islet-Cell Adenoma
Prostate		Adenoma, Nos
Skin	Back	Inflammation, Chronic Focal Basal-Cell Carcinoma
Spleen		Hematopoiesis
Stomach		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell Mineralization
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_551

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Necrosis, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Pituitary gland

Hemorrhage

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_552

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Cortex Nos

Metamorphosis, Fatty

Kidney

Myocardium Nos

Inflammation, Chronic Diffuse

Liver

Inflammation, Chronic

Lung

Necrosis, Diffuse

Pancreas

Inflammation, Chronic

Spleen

Ectopia

Hematopoiesis

Stomach

Hemorrhage

Testis

Necrosis, Focal

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

C-Cell Carcinoma

Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_553

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_554

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
	Cerebrum	Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hemorrhage
Testis		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_555

TRT#: 1
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Degeneration, Nos
Intestine Small	Jejunum	Cyst, Nos
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Granuloma, Nos Hyperplasia, Nos Neoplastic Nodule Pigmentation, Nos
	Bile Duct	Hemorrhage
Lymph node	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Pigmentation, Nos
	Mediastinal Lymph Node	Hyperplasia, Focal
Pituitary gland		Cystic Ducts
Preputial gland		Hyperkeratosis
Skin		Granuloma, Nos
Spleen		Hemangiosarcoma
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Flank	Fibroma
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_556

TRT#: 1
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
		Leukocytosis, Nos
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
		Periarteritis
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Cyst, Follicular Nos
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_557

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Brain
Esophagus
Eye
Heart
Kidney
Lung
Lymph node
Prostate
Testis

Medulla
Cerebrum

Retina
Myocardium Nos

Mesenteric Lymph Node

Hyperplasia, Focal
Astrocytoma
Hyperkeratosis
Degeneration, Nos
Inflammation, Chronic Focal
Inflammation, Chronic
Inflammation, Chronic
Hyperplasia, Reticulum Cell
Inflammation, Chronic Focal
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_558

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye
Heart
Intestine Large
Kidney
Liver

Medulla
Retina
Myocardium Nos
Colon

Hyperplasia, Focal
Degeneration, Nos
Inflammation, Chronic Focal
Parasitism
Inflammation, Chronic
Angiectasis
Degeneration, Nos
Focal Cellular Change
Granuloma, Nos
Inflammation, Chronic
Hyperplasia, Reticulum Cell
Angiectasis
Squamous Cell Papilloma
Interstitial-Cell Tumor

Lung
Lymph node
Pituitary gland
Skin
Testis

Mesenteric Lymph Node

Tail

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_559

TRT#: 1
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mixed Tumor, Malignant
Liver	Bile Duct	Hyperplasia, Nos Neoplastic Nodule Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node Mediastinal Lymph Node	Hyperplasia, Reticulum Cell Pigmentation, Nos
Pituitary gland		Angiectasis Hyperplasia, Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_560

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified		Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_561

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Lung		Hemorrhage
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Stomach		Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_562

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Esophagus

Heart

Lung

Spleen

Stomach

Myocardium Nos

Hyperkeratosis

Inflammation, Chronic Focal

Inflammation, Chronic

Hematopoiesis

Hemosiderosis

Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_563

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Lung		Congestion, Nos
		Hemorrhage
		Inflammation, Chronic
Spleen		Hemosiderosis
Stomach		Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_564

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Cataract
		Degeneration, Nos
		Hemorrhage
Heart	Myocardium Nos	Synechia, Posterior
Kidney		Inflammation, Chronic Focal
Liver		Inflammation, Chronic
		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Fibrosis, Diffuse
		Inflammation, Chronic
Parathyroid gland		Adenoma, Nos
Stomach	Muscularis	Degeneration, Nos
		Hyperplasia, Epithelial
	Mucosa	Hypertrophy, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Groin	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_565

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
Intestine Large	Colon	Parasitism
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Diffuse
	Acinus	Hyperplasia, Focal
Pituitary gland		Hyperplasia, Focal
Preputial gland		Cystic Ducts
		Hyperkeratosis
		Squamous Cell Carcinoma
Skin	Perineum	Keratoacanthoma
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_566

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Retina

Heart

Kidney

Lung

Myocardium Nos

Parathyroid gland

Pituitary gland

Skin

Testis

Unspecified

Scrotum

Axilla

Multiple Organs Nos

Pheochromocytoma

Cataract

Degeneration, Nos

Hemorrhage

Inflammation, Chronic Diffuse

Inflammation, Chronic

Hemorrhage

Inflammation, Chronic

Hyperplasia, Nos

Adenoma, Nos

Acanthosis

Interstitial-Cell Tumor

Fibrosarcoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_567

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Liver

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Stomach

Acanthosis

Testis

Mineralization

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

Unspecified

Abdominal Cavity

Hyperplasia, C Cell

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_568

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Preputial gland		Abscess, Nos
		Carcinoma, Nos
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_569

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Lymphangiectasis
	Renal Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Skin	Head	Basal-Cell Carcinoma
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_570

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Focal
Prostate		Hyperplasia, Focal
Skin	Back	Cyst, Epidermal Inclusion
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_571

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Necrosis, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Diffuse
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
		Hyperplasia, Focal
		Inflammation, Chronic Diffuse
Seminal vesicle		Abscess, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hyperplasia, Diffuse
		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_572

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Hemorrhage
	Cerebellum Nos	Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Tubular-Cell Adenocarcinoma
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_573

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Large
Kidney

Medulla
Colon

Hyperplasia, Focal
Parasitism
Infarct, Healed
Inflammation, Chronic
Focal Cellular Change
Inflammation, Chronic
Hyperplasia, Reticulum Cell
Interstitial-Cell Tumor
Hyperplasia, C Cell
Fibroma
Fibrosarcoma

Liver
Lung
Lymph node
Testis
Thyroid
Unspecified

Mesenteric Lymph Node

Tail

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_574

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Atrophy, Nos Pigmentation, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Cyst, Follicular Nos
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_575

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Hypertrophy, Focal
Epididymis		Necrosis, Fat
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Hepatitis, Toxic
		Neoplastic Nodule
Lymph node	Renal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_576

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Congestion, Nos

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Liver

Necrosis, Focal

Neoplastic Nodule

Lung

Inflammation, Chronic

Prostate

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

Unspecified

Fibroma

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_577

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Bone	Skull Skull	Fibrous Osteodystrophy Osteopetrosis
Eye	Retina Cornea	Degeneration, Nos Inflammation, Chronic Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Adenoma, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Cystic Ducts
Prostate		Abscess, Nos Inflammation, Chronic Diffuse
Stomach	Mucosa	Hyperplasia, Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Flank Multiple Organs Nos Multiple Organs Nos	Fibroma Leukemia, Monocytic Mineralization
Urinary bladder		Inflammation, Acute Diffuse
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_578

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Metamorphosis, Fatty Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node Mesenteric Lymph Node Mediastinal Lymph Node	Hemorrhage Hyperplasia, Reticulum Cell Lymphangiectasis Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_579

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Diffuse
Pituitary gland		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Shoulder	Fibroma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_580

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma Pigmentation, Nos
Bone	Sternum	Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Bile Duct	Fibrosis Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Diffuse
Pituitary gland		Hemorrhage
Stomach		Acanthosis Inflammation, Chronic Diffuse
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_581

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Lung		Hemorrhage
		Inflammation, Chronic
Spleen		Hemorrhage
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_582

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Neoplastic Nodule
		Thrombosis, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Nos
	Islets	Hyperplasia, Diffuse
Pituitary gland		Angiectasis
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_583

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Fibrosis, Focal
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Carcinoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Seminal vesicle		Hyperplasia, Diffuse
		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_584

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Astrocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Skin	Groin	Abscess, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_585

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
	Islets	Hyperplasia, Focal Inflammation, Chronic Diffuse
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_586

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Mesothelioma, Metastatic
	Mediastinal Lymph Node	Pigmentation, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
		Hemorrhage
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_587

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Fibrosis, Cholangio
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Spleen	Capsule	Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_588

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Congestion, Nos
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Necrosis, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified		Abscess, Nos
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_589

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina Cornea Cornea	Degeneration, Nos Inflammation, Acute Focal Necrosis, Focal
Heart	Atrium	Thrombosis, Nos
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Liver		Degeneration, Nos
Lung		Inflammation, Chronic Inflammation, Interstitial
Mammary gland		Cystic Ducts
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos Hyperplasia, Focal Inflammation, Chronic Focal
Spleen		Hematopoiesis
Stomach		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Unspecified	Back Multiple Organs Nos	Fibroma Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_590

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Hemorrhage
		Inflammation, Chronic
Pituitary gland		Hyperplasia, Focal
Spleen		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_591

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Epididymis		Necrosis, Fat
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic Pigmentation, Nos
Mammary gland		Hyperplasia, Focal
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos Angiectasis
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified	Flank	Fibrosarcoma
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_592

TRT#: 1
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
Preputial gland		Cystic Ducts
Prostate		Inflammation, Chronic Focal
Skin	Back	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Unspecified	Back	Fibroma
Zymbal gland		Abscess, Nos
		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_593

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Pituitary gland

Skin

Spleen

Testis

Sternum

Myocardium Nos

Mesenteric Lymph Node

Acinus

Islets

Back

Axilla

Pheochromocytoma

Osteosarcoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Hematopoiesis

Metamorphosis, Fatty

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Hyperplasia, Focal

Hyperplasia, Focal

Hyperplasia, Focal

Basal-Cell Carcinoma

Keratoacanthoma

Hematopoiesis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_594

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Necrosis, Focal
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Diffuse
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Axilla	Fibrosarcoma
	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_595

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Pheochromocytoma
Inflammation, Chronic
Degeneration, Nos
Focal Cellular Change
Hepatitis, Toxic
Necrosis, Focal

Lung
Mammary gland

Inflammation, Chronic
Adenocarcinoma, Nos
Fibroadenoma

Pituitary gland

Adenoma, Nos
Angiectasis

Prostate
Testis

Hyperplasia, Focal
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

Thyroid
Unspecified

Multiple Organs Nos

C-Cell Adenoma
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_596

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
		Tubular-Cell Adenoma
Liver		Focal Cellular Change
		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_597

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Brain	Meninges	Inflammation, Acute Diffuse
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Diffuse
Pituitary gland		Adenoma, Nos
		Hyperplasia, Focal
Spleen		Fibrosis, Multifocal
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Ectopia
	Mediastinum Nos	Inflammation, Acute Diffuse
Zymbal gland		Cystic Ducts
		Hyperkeratosis
		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_598

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Hemorrhage
	Cerebellum Nos	Necrosis, Focal
Esophagus		Inflammation, Acute Diffuse
		Necrosis, Focal
Eye		Empyema
		Hemorrhage
	Cornea	Inflammation, Acute Focal
	Iris	Inflammation, Chronic Focal
	Cornea	Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hemorrhage
Pancreas		Atrophy, Focal
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_599

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_600

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone	Skull	Osteopetrosis
	Rib	Osteosarcoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Abscess, Nos
		Inflammation, Chronic
Lung		Inflammation, Chronic
Prostate		Hemorrhage
		Inflammation, Acute/Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Osteosarcoma, Metastatic
Urinary bladder		Hemorrhage
		Inflammation, Acute Diffuse
		Necrosis, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_601

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla
Cortex Nos

Hyperplasia, Focal
Metamorphosis, Fatty
Pheochromocytoma

Brain

Cerebellum Nos

Astrocytoma

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic
Mineralization

Tubule

Pigmentation, Nos

Liver

Hepatocellular Carcinoma

Lung

Metamorphosis, Fatty

Lymph node

Inflammation, Chronic

Mammary gland

Mediastinal Lymph Node

Pigmentation, Nos

Pancreas

Fibroadenoma

Stomach

Acinar-Cell Adenoma

Acanthosis

Hyperkeratosis

Testis

Inflammation, Chronic Focal

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_602

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Harderian gland

Harderian Gland

Fibrous Histiocytoma, Malignant

Heart

Myocardium Nos

Inflammation, Chronic Focal

Liver

Hemorrhage

Hepatitis, Toxic

Necrosis, Focal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Fibrous Histiocytoma, Metastatic

Multiple Organs Nos

Lymphoma, Lymphocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_603

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Acinar-Cell Adenoma
	Islets	Islet-Cell Adenoma
Parathyroid gland		Adenoma, Nos
		Hyperplasia, Nos
Preputial gland		Abscess, Nos
		Cystic Ducts
		Hyperkeratosis
Spleen		Hematopoiesis
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Diaphragm Nos	Inflammation, Chronic Focal
	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_604

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
	Myocardium Nos	Mineralization
Intestine Large	Cecum, Colon	Mineralization
Kidney		Inflammation, Chronic
		Mineralization
Liver		Nephrosis, Hydro
		Fibrosis, Cholangio
Lung		Focal Cellular Change
Lymph node	Mediastinal Lymph Node	Inflammation, Chronic
Mammary gland		Hemorrhage
Parathyroid gland		Cystic Ducts
Prostate		Hyperplasia, Nos
Seminal vesicle		Inflammation, Diffuse
Spleen		Cyst, Nos
Stomach	Muscularis	Hemosiderosis
		Degeneration, Nos
		Mineralization
Testis		Interstitial-Cell Tumor
Urinary bladder		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_605

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
Preputial gland		Carcinoma, Nos
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_606

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Eye		Cataract
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Diffuse
Pituitary gland		Adenoma, Nos
Skin		Cyst, Epidermal Inclusion
Spleen		Hematopoiesis
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_607	TRT#: 1 DOSE: 0	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Eye	Retina	Degeneration, Nos	
Liver		Degeneration, Nos	
	Bile Duct	Granuloma, Nos	
		Hyperplasia, Nos	
		Neoplastic Nodule	
		Pigmentation, Nos	
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell	
	Mediastinal Lymph Node	Pigmentation, Nos	
Mammary gland		Fibroadenoma	
Pancreas		Atrophy, Focal	
Preputial gland		Carcinoma, Nos	
Prostate		Hyperplasia, Focal	
Seminal vesicle		Hyperplasia, Diffuse	
		Inflammation, Acute Diffuse	
Skin	Head	Abscess, Nos	
	Head	Cyst, Epidermal Inclusion	
Spleen		Fibrosis, Focal	
		Hematopoiesis	
		Hemosiderosis	
Testis		Degeneration, Nos	
		Interstitial-Cell Tumor	
Thyroid		C-Cell Adenoma	
		Cyst, Nos	
Unspecified	Multiple Organs Nos	Inflammation, Chronic	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_608

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
Prostate		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Neck	Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_609

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_610

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_611

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Neoplastic Nodule
		Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Periarteritis
Parathyroid gland		Adenoma, Nos
Skin	Axilla	Cyst, Epidermal Inclusion
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_612

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Cardiac Valve	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_613

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Harderian gland	Harderian Gland	Carcinoma, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Carcinoma, Nos, Metastatic
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Adenoma, Nos
Spleen	Follicles	Atrophy, Nos
		Fibrosis, Multifocal
		Pigmentation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Carcinoma, Nos, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:53

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_614

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Parathyroid gland		C-Cell Carcinoma, Invasive
		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_615

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Fibrosis, Focal
Intestine Small	Jejunum	Mucinous Cystadenocarcinoma
Kidney	Tubule	Cyst, Nos
		Infarct, Healed
		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
		Angiectasis
Preputial gland		Cystic Ducts
		Hyperkeratosis
		Squamous Cell Carcinoma
Spleen		Fibrosis, Focal
Stomach		Hyperkeratosis
		Inflammation, Acute Diffuse
	Forestomach	Squamous Cell Papilloma
		Ulcer, Perforated
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Neck	Liposarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_616

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Transverse Colon, Colon	Leiomyosarcoma
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Carcinoma
Spinal cord		Degeneration, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_617

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_618

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hemorrhage
		Hepatitis, Toxic
Lung		Hemorrhage
Lymph node	Pancreatic Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_619

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Bone marrow

Cortex Nos

Metamorphosis, Fatty
Hemorrhage
Necrosis, Diffuse

Kidney
Lung
Mammary gland
Spleen
Stomach

Inflammation, Chronic
Inflammation, Chronic
Cystic Ducts
Necrosis, Focal
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse

Testis
Unspecified
Zymbal gland

Multiple Organs Nos

Necrosis, Focal
Degeneration, Nos
Leukemia, Monocytic
Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_620

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone	Mandible	Squamous Cell Carcinoma, Invasive
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Squamous Cell Carcinoma, Invasive
Zymbal gland		Cystic Ducts
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_621

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_622

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver		Focal Cellular Change Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos Fibroadenoma
Stomach		Acanthosis Inflammation, Chronic Diffuse
Testis		Necrosis, Focal Degeneration, Nos Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_623

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Testis

Unspecified

Myocardium Nos

Tubule

Scrotum

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Pigmentation, Nos

Pigmentation, Nos

Inflammation, Chronic

Degeneration, Nos

Interstitial-Cell Tumor

Abscess, Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_624

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Periarteritis
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hematopoiesis
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_625

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Pituitary gland

Hyperplasia, Focal

Preputial gland

Carcinoma, Nos

Spleen

Hematopoiesis

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Cystic Follicles

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_626

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hyperplasia, Nos
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Inflammation, Chronic
Mammary gland		Adenocarcinoma, Nos
		Cystic Ducts
Prostate		Inflammation, Chronic Focal
Spleen		Hemangiosarcoma
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_627

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Acute Focal
		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Islet-Cell Adenoma
		Periarteritis
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Neck	Hemangiopericytoma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_628

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Bone marrow

Pheochromocytoma

Heart
Kidney
Liver

Myocardium Nos

Fibrosis, Myelo
Hypoplasia, Nos
Inflammation, Chronic Focal
Inflammation, Chronic
Degeneration, Nos
Hepatitis, Toxic

Lung
Lymph node
Mammary gland
Pituitary gland
Prostate

Mesenteric Lymph Node

Hepatocellular Carcinoma
Inflammation, Chronic
Hyperplasia, Reticulum Cell
Hyperplasia, Diffuse
Adenoma, Nos
Hyperplasia, Focal
Inflammation, Chronic Diffuse

Spleen
Testis
Unspecified

Multiple Organs Nos
Groin

Fibrosis, Diffuse
Interstitial-Cell Tumor
Leukemia, Monocytic
Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_629

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Blood vessel	Aorta Nos	Mineralization
Epididymis		Inflammation, Acute Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Abscess, Nos
Seminal vesicle		Hyperplasia, Focal
Spleen		Pigmentation, Nos
Stomach		Inflammation, Acute Focal Mineralization Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thymus		Adenocarcinoma, Nos
Thyroid		C-Cell Adenoma Follicular-Cell Adenoma Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_630

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Leukocytosis, Nos
Lung		Inflammation, Chronic
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Skin		Fibrous Histiocytoma, Malignant
Spleen		Fibrosis, Focal
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_631

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Hepatitis, Toxic
Lung		Edema, Nos Inflammation, Chronic
Lymph node	Mediastinal Lymph Node Mesenteric Lymph Node	Hemorrhage Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos Angiectasis
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Transitional-Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_632

TRT#: 1
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood vessel	Aorta Nos	Mineralization
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
		Pigmentation, Nos
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Carcinoma
Prostate		Cystic Ducts
Spleen		Hematopoiesis
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Fibrous Histiocytoma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_633

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye		Cataract
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cyst, Nos
Pituitary gland		Adenoma, Nos
Prostate		Cyst, Nos
Skin	Back	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_634

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Leukemia, Monocytic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Adenoma
Parathyroid gland		Adenoma, Nos
Prostate		Inflammation, Chronic Diffuse
Seminal vesicle		Abscess, Nos
Spleen		Hematopoiesis
Stomach		Adhesion, Nos
		Calcification, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
		Periarteritis
Unspecified		Neurofibroma
Urinary bladder		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_635

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Lung

Lymph node

Mediastinal Lymph Node

Mediastinal Lymph Node

Spleen

Stomach

Hemorrhage

Inflammation, Chronic Diffuse

Inflammation, Chronic

Congestion, Nos

Fibrosis, Cholangio

Hyperplasia, Nos

Neoplastic Nodule

Inflammation, Chronic

Congestion, Nos

Pigmentation, Nos

Pigmentation, Nos

Ulcer, Perforated

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_636

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_725

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Medulla Oblongata Nos	Necrosis, Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
		Mineralization
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hemorrhage
	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_726

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		C-Cell Adenoma
		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_727

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Periarteritis
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_728

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Kidney	Pelvis	Hemorrhage
		Mineralization
	Papilla	Necrosis, Focal
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Hemorrhage
Seminal vesicle		Cyst, Nos
		Hyperplasia, Diffuse
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Acute Diffuse
	Multiple Organs Nos	Inflammation, Chronic
Urinary bladder		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_729

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas		Atrophy, Diffuse
	Duct Nos	Hyperplasia, Nos
	Islets	Islet-Cell Carcinoma
Preputial gland		Cystic Ducts
		Hyperplasia, Diffuse
Prostate		Inflammation, Chronic
		Cyst, Nos
Seminal vesicle		Inflammation, Chronic Diffuse
		Cyst, Nos
		Hyperplasia, Diffuse
Skin	Circumanal Gland	Cyst, Nos
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
		C-Cell Adenoma
		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_730

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Alveolar/Bronchiolar Carcinoma
Preputial gland		Carcinoma, Nos
		Cystic Ducts
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_731

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone	Femur	Osteosarcoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
		Tubular-Cell Adenoma
Liver		Degeneration, Nos
		Focal Cellular Change
Lung		Inflammation, Chronic
		Osteosarcoma, Metastatic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Hyperplasia, Focal
Spleen		Hematopoiesis
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_732

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Follicular Nos
		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_733

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_734

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Inflammation, Chronic

Liver

Pigmentation, Nos

Lung

Necrosis, Focal

Lymph node

Inflammation, Chronic

Preputial gland

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Prostate

Squamous Cell Carcinoma

Spleen

Hyperplasia, Focal

Stomach

Hematopoiesis

Testis

Necrosis, Focal

Thyroid

Hyperplasia, Interstitial Cell

Urinary bladder

Interstitial-Cell Tumor

C-Cell Carcinoma

Polyp, Inflammatory

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_735

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Adenoma
Prostate		Inflammation, Chronic Focal
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_736

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Cortex Nos	Metamorphosis, Fatty
		Pheochromocytoma, Malignant
Bone	Rib	Degeneration, Nos
Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Diffuse
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
Skin	Back	Basal-Cell Tumor
Spleen		Fibrosis, Focal
Stomach		Acanthosis
		Adhesion, Nos
		Hyperkeratosis
		Inflammation, Acute Focal
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Urinary bladder		Hyperplasia, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_737

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Testis

Thyroid

Unspecified

Myocardium Nos

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

C-Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_739

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Cyst, Nos
Prostate		Hyperplasia, Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Ulcer, Perforated
		Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thymus		Interstitial-Cell Tumor
Zymbal gland		Hemorrhage
		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_740

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Bone	Lumbar Vertebra Nos	Liposarcoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos Hepatitis, Toxic
Lung		Inflammation, Chronic
Preputial gland		Abscess, Nos
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_741

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Kidney	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
Pancreas		Acinar-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Parathyroid gland		Adenoma, Nos
Pituitary gland		Adenoma, Nos
Skin		Abscess, Nos
		Cyst, Epidermal Inclusion
		Keratoacanthoma
	Back	Sebaceous Adenoma
Stomach	Fundus	Hyperplasia, Epithelial
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
		Periarteritis
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_742

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Eye

Retina

Degeneration, Nos

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Testis

Hyperplasia, Interstitial Cell

Unspecified

Interstitial-Cell Tumor

Myxosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_743

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
	Medulla	Hyperplasia, Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Skin	Tail	Acanthosis
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_744

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma Hyperplasia, Focal
Heart	Cortex Nos	Metamorphosis, Fatty
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change
	Bile Duct	Hyperplasia, Nos Necrosis, Focal Granuloma, Nos Inflammation, Chronic
Lung		
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node Mandibular Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Skin	Back	Basal-Cell Carcinoma
Spleen		Hematopoiesis Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Neck Axilla	Fibroma Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_745

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Tubule

Inflammation, Chronic

Liver

Pigmentation, Nos

Lung

Pigmentation, Nos

Pancreas

Inflammation, Chronic

Stomach

Islets

Atrophy, Diffuse

Testis

Islet-Cell Carcinoma

Thyroid

Inflammation, Chronic Focal

Interstitial-Cell Tumor

C-Cell Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_746

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Large

Cecum, Colon

Inflammation, Chronic Diffuse

Cecum, Colon

Necrosis, Nos

Kidney

Inflammation, Chronic

Mammary gland

Papillary Adenoma

Prostate

Abscess, Nos

Testis

Inflammation, Chronic Diffuse

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_747

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Pancreas

Atrophy, Focal

Seminal vesicle

Cyst, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_748

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Fibrosis, Diffuse Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Ileocolic Lymph Node	Lymphangiectasis
Mammary gland		Fibrosis, Diffuse Hyperplasia, Diffuse
Pancreas		Atrophy, Diffuse
Spleen	Follicles	Atrophy, Nos Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_749

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Liver
Lung
Pituitary gland

Cortex Nos
Myocardium Nos

Prostate
Testis
Unspecified

Multiple Organs Nos
Leg

Zymbal gland

Metamorphosis, Fatty
Inflammation, Chronic Focal
Inflammation, Chronic
Hepatitis, Toxic
Inflammation, Chronic
Cyst, Hemorrhagic
Hyperplasia, Focal
Inflammation, Chronic Focal
Interstitial-Cell Tumor
Leukemia, Monocytic
Lipoma
Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_750

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
		Pheochromocytoma
Bone	Rib	Degeneration, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Prostate		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Adenoma
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_751

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Hemorrhage
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_752

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_753

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos Pericardium Nos	Inflammation, Chronic Diffuse Inflammation, Fibrinous
Kidney	Papilla	Inflammation, Chronic Necrosis, Focal
Liver		Degeneration, Nos Focal Cellular Change
Lung		Congestion, Nos Inflammation, Chronic
Lymph node	Pleura Nos	Inflammation, Fibrinous
Mammary gland	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Fibroadenoma Acinar-Cell Adenoma
Pituitary gland		Atrophy, Diffuse Angiectasis
Prostate		Cyst, Nos Abscess, Nos
Salivary gland		Inflammation, Acute Diffuse Fibrosis, Diffuse
Spleen		Necrosis, Focal Hematopoiesis
Testis		Hemosiderosis
Thyroid		Interstitial-Cell Tumor
Zymbal gland		Follicular-Cell Carcinoma Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_754

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
		Inflammation, Interstitial
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal
		Hematopoiesis
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_755

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Intestine Small

Kidney

Liver

Lung

Pituitary gland

Stomach

Testis

Thyroid

Unspecified

Medulla

Myocardium Nos

Mesentery Nos

Cortex

Bile Duct

Multiple Organs Nos

Angiectasis

Hyperplasia, Focal

Inflammation, Chronic Diffuse

Inflammation, Chronic Focal

Cyst, Nos

Inflammation, Chronic

Degeneration, Nos

Focal Cellular Change

Inflammation, Chronic

Metamorphosis, Fatty

Inflammation, Chronic

Hyperplasia, Focal

Acanthosis

Hyperkeratosis

Inflammation, Chronic Diffuse

Interstitial-Cell Tumor

C-Cell Adenoma

Cystic Follicles

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_756

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Erythrophagocytosis
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
Skin	Back	Keratoacanthoma
Spleen		Fibrosis, Multifocal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_757

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Epididymis		Necrosis, Fat
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_758

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Esophagus		Hyperkeratosis
Heart		Inflammation, Chronic Diffuse
Kidney		Thrombosis, Nos Abscess, Nos
Liver	Bile Duct	Inflammation, Chronic Fibrosis
Lung		Necrosis, Focal
Lymph node	Mediastinal Lymph Node	Inflammation, Chronic
	Mandibular Lymph Node	Congestion, Nos
Testis		Hyperplasia, Lymphoid Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_759

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Prostate

Testis

Bile Duct

Unspecified

Axilla

Cortical Adenoma

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Hyperplasia, Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_760

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Necrosis, Focal

Prostate

Inflammation, Chronic Focal

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_761

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Liver

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Skin

Basal-Cell Tumor

Stomach

Inflammation, Chronic Diffuse

Necrosis, Focal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_762

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Inflammation, Chronic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Hyperplasia, Diffuse
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_763

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Hyperplasia, Focal
Inflammation, Chronic
Inflammation, Acute Focal
Necrosis, Focal

Lung
Lymph node
Skin
Spleen
Testis

Mesenteric Lymph Node
Foot And Toe Nos

Inflammation, Chronic
Hyperplasia, Reticulum Cell
Squamous Cell Papilloma
Lymphoma, Histiocytic-Malignant Type
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_764

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Mammary gland		Galactocele
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_765

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal
Pheochromocytoma, Malignant

Intestine Large

Colon

Adenomatous Polyp, Nos

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Pancreas

Atrophy, Focal

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

C-Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_766

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Spleen		Fibrosis, Multifocal
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_767

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart		Fibrosarcoma, Metastatic
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Fibrosarcoma, Invasive
Prostate		Inflammation, Chronic Focal
Salivary gland		Fibrosarcoma
Skin	Back	Basal-Cell Carcinoma
	Back	Cyst, Epidermal Inclusion
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Trachea		Fibrosis, Diffuse
Unspecified	Mediastinum Nos	Fibrosarcoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_768

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Neoplastic Nodule
Lung		Hyperplasia, Alveolar Epithelium
Lymph node	Mandibular Lymph Node	Inflammation, Chronic
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Pituitary gland		Hyperplasia, Reticulum Cell
Preputial gland		Cyst, Nos
Testis		Carcinoma, Nos
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_769

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Granuloma, Nos
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
	Pleura Nos	Inflammation, Chronic Diffuse
		Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Stomach		Acanthosis
		Hemorrhage
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Hemangiosarcoma
	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_771

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma, Malignant
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Neoplastic Nodule
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Back	Neurofibroma
	Abdominal Cavity	Pheochromocytoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_772

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Bile Duct

Lung

Lymph node

Mesenteric Lymph Node

Mandibular Lymph Node

Testis

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Pigmentation, Nos

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Pigmentation, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

C-Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_773

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
		Neoplastic Nodule
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Hyperplasia, Diffuse
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach	Fundus	Carcinoma In Situ, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_774

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma, Malignant
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Inflammation, Chronic Focal
Stomach		Hemorrhage
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_775

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Transverse Colon, Colon
Cecum, Colon

Cyst, Nos

Kidney

Parasitism

Liver

Inflammation, Chronic

Lung

Focal Cellular Change

Lymph node

Mesenteric Lymph Node

Hyperplasia, Alveolar Epithelium

Prostate

Inflammation, Chronic

Testis

Hyperplasia, Reticulum Cell

Thyroid

Hyperplasia, Focal

Unspecified

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Hyperplasia, C Cell

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_776

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Tubule

Inflammation, Chronic

Liver

Pigmentation, Nos

Degeneration, Nos

Lung

Inflammation, Chronic

Pancreas

Acinar-Cell Adenoma

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_777

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Hyperplasia, Diffuse
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Diffuse
Testis		Cyst, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_778

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_779

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic
		Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
	Islets	Islet-Cell Adenoma
Spleen		Hemangiosarcoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_780

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large

Medulla
Myocardium Nos
Cecum, Colon
Cecum, Colon

Kidney
Lung
Spleen
Testis

Hyperplasia, Focal
Inflammation, Chronic Focal
Inflammation, Acute Focal
Necrosis, Focal
Inflammation, Chronic
Inflammation, Chronic
Hematopoiesis
Interstitial-Cell Tumor
Mesothelioma, Malignant
Mesothelioma, Invasive

Unspecified

Tunica Vaginalis
Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_781

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic Tubular-Cell Adenoma
Liver	Bile Duct	Granuloma, Nos Hyperplasia, Nos Leukocytosis, Nos Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell
Spleen		Hematopoiesis Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_782

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Tubule

Inflammation, Chronic

Pigmentation, Nos

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Stomach

Necrosis, Focal

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Unspecified

Fibroma

Multiple Organs Nos

Leukemia, Monocytic

Urinary bladder

Hyperplasia, Papillary

Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_783

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Diffuse
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_784

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Granuloma, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Diffuse
		Mixed Tumor, Benign
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Groin	Fibrosarcoma
Zymbal gland		Cystic Ducts
		Hyperkeratosis
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_785

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
		Necrosis, Focal
Lung		Hemorrhage
		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Adenoma
Skin		Keratoacanthoma
Spleen		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic
	Back	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_786

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Spleen

Testis

Unspecified

Myocardium Nos

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Hepatitis, Toxic

Hemorrhage

Inflammation, Chronic

Necrosis, Focal

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_787

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
Pancreas		Atrophy, Diffuse
		Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Chronic Focal
Seminal vesicle		Hyperplasia, Diffuse
Spleen		Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_788

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Galactocele
Spleen		Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Scrotum	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_789

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Tubule

Pigmentation, Nos

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Prostate

Inflammation, Chronic Focal

Spleen

Necrosis, Focal

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Groin

Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_790

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
	Islets	Hyperplasia, Focal
Prostate		Cyst, Nos
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Metaplasia, Squamous
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Back	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_791

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Hyperplasia, Tubular Cell Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Preputial gland		Abscess, Nos Inflammation, Chronic Diffuse
		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Diffuse Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_792

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Adenoma
Spleen		Hematopoiesis Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified	Chest	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_793

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Inflammation, Chronic
Pancreas	Acinus	Hyperplasia, Focal
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_794

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Liver		Degeneration, Nos
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Mesenteric Lymph Node	Lymphangiectasis
Preputial gland	Islets	Islet-Cell Adenoma
Testis		Carcinoma, Nos
Thyroid		Interstitial-Cell Tumor Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_795

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
		Mineralization
Liver		Degeneration, Nos
		Focal Cellular Change
		Neoplastic Nodule
Lung		Granuloma, Nos
		Inflammation, Chronic
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Perineum	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_796

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_797

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Lymphangiectasis
Mammary gland		Adenoma, Nos
		Fibroadenoma
Pituitary gland		Adenoma, Nos
Seminal vesicle		Cyst, Nos
		Hyperplasia, Papillary
Skin	Nose	Squamous Cell Papilloma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Carcinoma
Unspecified	Axilla	Fibrosarcoma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_798

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Metamorphosis, Fatty

Mammary gland

Inflammation, Chronic

Pituitary gland

Fibroadenoma

Prostate

Angiectasis

Testis

Inflammation, Chronic Focal

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_799	TRT#: 2	SEX: Male	DAY ON TEST:
	DOSE: 10000 PPM	DISP: Terminal Sacrifice	HISTO:
<hr/>			
OBSERVATIONS			
Adrenal gland	Medulla	Hyperplasia, Focal	
Heart	Myocardium Nos	Inflammation, Chronic Focal	
Kidney		Inflammation, Chronic	
	Tubule	Pigmentation, Nos	
Liver		Focal Cellular Change	
	Bile Duct	Inflammation, Chronic	
Lung		Inflammation, Chronic	
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis	
	Mandibular Lymph Node	Hyperplasia, Reticulum Cell	
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell	
	Mediastinal Lymph Node	Lymphangiectasis	
	Mediastinal Lymph Node	Pigmentation, Nos	
	Renal Lymph Node	Pigmentation, Nos	
Pancreas		Acinar-Cell Adenoma	
	Islets	Islet-Cell Adenoma	
Pituitary gland		Angiectasis	
Prostate		Cyst, Nos	
		Inflammation, Chronic Diffuse	
Testis		Interstitial-Cell Tumor	
Thymus		Cyst, Nos	
Unspecified	Multiple Organs Nos	Leukemia, Monocytic	
<hr/>			
PRIMARY CAUSE OF DEATH	-		
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* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_800

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis		Mesothelioma, Invasive
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Degeneration, Nos
	Scrotum Nos	Mesothelioma, Invasive
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Eyelid	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_801

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Epididymis		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos Degeneration, Nos Focal Cellular Change Necrosis, Focal
Lung		Inflammation, Chronic
Pancreas		Periarteritis
Prostate		Hyperplasia, Focal Inflammation, Chronic Focal
Spleen		Fibrosis, Multifocal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos Hyperplasia, C Cell
Unspecified	Abdominal Cavity Multiple Organs Nos Back	Congestion, Nos Leukemia, Monocytic Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_802

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
		Necrosis, Focal
Pancreas	Acinus	Hyperplasia, Focal
Preputial gland		Squamous Cell Carcinoma
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_803

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Hyperplasia, Focal
Inflammation, Chronic
Focal Cellular Change
Hepatitis, Toxic

Lymph node
Pancreas
Testis

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell
Atrophy, Focal
Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_804

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Eye

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Degeneration, Nos

Focal Cellular Change

Hepatitis, Toxic

Mammary gland

Fibroadenoma

Pituitary gland

Cyst, Nos

Spleen

Angiectasis

Fibrosis, Diffuse

Testis

Metamorphosis, Fatty

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Abdominal Cavity

Leukemia, Monocytic

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_805

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Cortex Nos

Metamorphosis, Fatty

Kidney

Myocardium Nos

Inflammation, Chronic Diffuse

Lung

Alveoli

Inflammation, Chronic

Histiocytosis

Inflammation, Chronic

Inflammation, Interstitial

Pancreas

Atrophy, Focal

Pituitary gland

Cyst, Nos

Seminal vesicle

Cyst, Nos

Testis

Degeneration, Nos

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_806

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Granuloma, Nos
		Pigmentation, Nos
Lung		Granuloma, Nos
		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_807

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Axilla	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_808

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Capsule

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Adhesion, Nos

Fibrosis

Focal Cellular Change

Metamorphosis, Fatty

Pigmentation, Nos

Inflammation, Chronic

Inflammation, Chronic Focal

Hyperplasia, Nos

Cyst, Nos

Inflammation, Chronic Focal

Acanthosis

Hyperkeratosis

Inflammation, Acute Focal

Inflammation, Chronic Diffuse

Necrosis, Focal

Ulcer, Perforated

Interstitial-Cell Tumor

Follicular-Cell Adenoma

Hyperplasia, C Cell

Leukemia, Monocytic

Lung

Pancreas

Parathyroid gland

Pituitary gland

Prostate

Stomach

Testis

Thyroid

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_809

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Epididymis		Fibrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos Degeneration, Nos Focal Cellular Change Metamorphosis, Fatty Pigmentation, Nos Inflammation, Chronic
Lung		Lymphangiectasis
Lymph node	Mesenteric Lymph Node Mediastinal Lymph Node	Pigmentation, Nos Hyperplasia, Nos
Mammary gland		Hemosiderosis
Spleen		Acanthosis
Stomach		Hyperkeratosis Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_810

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Preputial gland		Carcinoma, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_811

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_812

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Skin	Chest	Basal-Cell Carcinoma
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_813

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver	Bile Duct	Degeneration, Nos Focal Cellular Change Inflammation, Chronic Pigmentation, Nos Inflammation, Chronic
Lung		Cystic Ducts
Mammary gland		Keratoacanthoma
Skin	Axilla	Fibrosis, Focal
Spleen		Interstitial-Cell Tumor
Testis		Hyperplasia, C Cell
Thyroid		
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_814

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Spleen		Hematopoiesis
		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Hemangiosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_815	TRT#: 2	SEX: Male	DAY ON TEST:
	DOSE: 10000 PPM	DISP: Terminal Sacrifice	HISTO:
<hr/> OBSERVATIONS			
Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma	
Eye	Retina	Degeneration, Nos	
Heart		Carcinoma, Nos, Invasive	
Liver		Degeneration, Nos Focal Cellular Change Hyperplasia, Nos Metamorphosis, Fatty Necrosis, Focal Neoplastic Nodule	
	Bile Duct		
Lung	Alveoli	Histiocytosis Inflammation, Interstitial	
Pancreas	Acinus	Hyperplasia, Focal	
Preputial gland		Abscess, Nos Hyperplasia, Focal Adenoma, Nos Hyperplasia, Diffuse	
Prostate			
Seminal vesicle			
Spleen		Fibrosis, Multifocal Hemosiderosis	
Testis		Interstitial-Cell Tumor	
Thymus		Carcinoma, Nos	
Unspecified	Multiple Organs Nos	Inflammation, Chronic	
	Multiple Organs Nos	Leukemia, Monocytic	
Urinary bladder		Transitional-Cell Papilloma	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_816

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lymph node

Pancreas

Spleen

Testis

Thyroid

Unspecified

Myocardium Nos

Tubule

Mesenteric Lymph Node

Axilla

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Pigmentation, Nos

Hyperplasia, Reticulum Cell

Atrophy, Focal

Hematopoiesis

Interstitial-Cell Tumor

C-Cell Adenoma

Hemangiosarcoma

Hemangiosarcoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_817

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Diffuse
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_818

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		C-Cell Carcinoma, Metastatic Hemorrhage
Lymph node	Mandibular Lymph Node	Inflammation, Chronic
Stomach		C-Cell Carcinoma, Metastatic Hyperkeratosis
Testis		Necrosis, Focal Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Abdominal Cavity	Hemorrhage
	Diaphragm Nos	Hernia, Nos
	Abdominal Cavity	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_819

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Epididymis		Mesothelioma, Invasive
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
Lung		Inflammation, Chronic
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Cyst, Nos
		Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
	Scrotum Nos	Mesothelioma, Invasive
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Zymbal gland		Hyperkeratosis
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_820

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Metamorphosis, Fatty
	Centrilobular	Necrosis, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Skin	Shoulder	Keratoacanthoma
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_821

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
		Thrombosis, Nos
Eye	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Nasal cavity	Turbinate Nos	Hyperkeratosis
	Turbinate Nos	Inflammation, Acute Diffuse
	Turbinate Nos	Metaplasia, Squamous
Parathyroid gland		Hyperplasia, Nos
Prostate		Hyperplasia, Focal
Skin	Lip Nos	Basal-Cell Tumor
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_822

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
		Leukocytosis, Nos
		Metamorphosis, Fatty
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
Salivary gland		Hyperplasia, Diffuse
		Lymphangiectasis
Skin	Head	Squamous Cell Carcinoma
Stomach		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Tongue		Edema, Nos
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_823

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Mesothelioma, Malignant
Kidney		Inflammation, Chronic Nephrosis, Hydro
Liver	Bile Duct	Focal Cellular Change Hyperplasia, Nos Metamorphosis, Fatty
Lung		Inflammation, Chronic
Skin	Neck	Hyperkeratosis
Spleen		Mesothelioma, Metastatic
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_824

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebrum	Hemorrhage
Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Spleen		Hematopoiesis
Thyroid		Follicular-Cell Adenoma
Urinary bladder		Hemorrhage
		Inflammation, Acute Focal
		Necrosis, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_825

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node		Inflammation, Chronic
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Skin	Groin	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_826

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver		Focal Cellular Change Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Ileocolic Lymph Node	Squamous Cell Carcinoma, Metastatic
Pancreas	Islets	Islet-Cell Adenoma
Prostate		Inflammation, Chronic Focal
Spleen		Hemangioma Necrosis, Focal
Stomach		Squamous Cell Carcinoma
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_827

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pancreas		Hemorrhage
Pituitary gland		Adenoma, Nos
Preputial gland		Hyperkeratosis
		Inflammation, Acute Diffuse
		Squamous Cell Carcinoma
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Diffuse
Seminal vesicle		Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_828

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_829

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_830

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Leiomyosarcoma
	Anus Nos	Leiomyosarcoma, Invasive
Kidney		Hyperplasia, Tubular Cell
		Inflammation, Chronic
Liver		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified		Leiomyosarcoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_831

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Pigmentation, Nos
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cystic Follicles

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_832

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
		Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
		Synechia, Posterior
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Preputial gland		Carcinoma, Nos
		Inflammation, Acute
		Necrosis, Nos
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_833

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye
Kidney
Liver
Lung
Preputial gland

Medulla
Cortex Nos
Retina

Prostate
Stomach

Testis

Thyroid
Unspecified

Multiple Organs Nos

Hyperplasia, Focal
Metamorphosis, Fatty
Degeneration, Nos
Inflammation, Chronic
Hepatitis, Toxic
Inflammation, Chronic
Abscess, Nos
Keratoacanthoma
Inflammation, Chronic Focal
Acanthosis
Hyperkeratosis
Necrosis, Focal
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
C-Cell Carcinoma
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_834

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Spleen

Testis

Unspecified

Tubule

Centrilobular

Tunica Vaginalis

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Pigmentation, Nos

Necrosis, Nos

Inflammation, Chronic

Hematopoiesis

Interstitial-Cell Tumor

Mesothelioma, Malignant

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_835

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Skin	Back	Basal-Cell Carcinoma
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_836

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
	Tunica Vaginalis	Interstitial-Cell Tumor
Thyroid		Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_837

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Hemorrhage
		Inflammation, Chronic
Pituitary gland		Hyperplasia, Focal
Skin		Basal-Cell Carcinoma
		Cyst, Epidermal Inclusion
Stomach		Acanthosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_838

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Islet-Cell Carcinoma
Spleen	Follicles	Atrophy, Nos
		Fibrosis, Focal
		Hematopoiesis
		Hemosiderosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_839

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Harderian gland	Harderian Gland	Inflammation, Acute/Chronic
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mandibular Lymph Node Mediastinal Lymph Node	Hyperplasia, Lymphoid Lymphangiectasis Pigmentation, Nos
Skin	Dermis	Fibrosis, Focal
Spleen		Hemangiosarcoma
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
Testis		Necrosis, Focal Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_840

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Prostate

Abscess, Nos

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_841

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Kidney		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Lymphangiectasis
	Mandibular Lymph Node	Sarcoma, Nos, Invasive
Pancreas		Ectopia
Skin	Lip Nos	Squamous Cell Papilloma
Spleen	Follicles	Atrophy, Nos
		Fibrosis, Multifocal
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Neck	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_842

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Ileocolic Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Carcinoma
Prostate		Hyperplasia, Focal
Skin	Nose	Squamous Cell Papilloma
Stomach		Sarcoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_843

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Intestine Large	Colon	Parasitism
Kidney	Cortex Tubule	Cyst, Nos Pigmentation, Nos
Liver		Angiectasis Focal Cellular Change Leukemia, Monocytic
Lung		Alveolar/Bronchiolar Carcinoma Inflammation, Interstitial Pigmentation, Nos
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos Inflammation, Acute Diffuse
Skin	Lip Nos	Squamous Cell Papilloma
Stomach		Acanthosis Hyperkeratosis Necrosis, Diffuse Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Unspecified	Groin Multiple Organs Nos	Fibroma Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_844

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Hemorrhage
Testis		Hyperplasia, Interstitial Cell
Unspecified	Abdomen	Interstitial-Cell Tumor
	Multiple Organs Nos	Cyst, Hemorrhagic
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_845

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Leukemia, Monocytic
		Metamorphosis, Fatty
		Neoplastic Nodule
		Pigmentation, Nos
Lung		Inflammation, Chronic
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Diffuse
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Unspecified	Tail	Fibrosarcoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_846

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Adhesion, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Leukocytosis, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Skin	Scrotum	Acanthosis
Spleen		Hemangiosarcoma
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_847

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Preputial gland		Carcinoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_848

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Angiectasis
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pituitary gland		Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
		Cystic Ducts
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Skin	Nose	Acanthosis
Stomach		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_849

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Kidney		Hyperplasia, Tubular Cell
		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
		Pigmentation, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Chronic
		Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Preputial gland		Cystic Ducts
		Hyperkeratosis
Prostate		Inflammation, Acute Diffuse
Skin		Inflammation, Chronic Focal
Testis		Fibrous Histiocytoma
Thyroid		Interstitial-Cell Tumor
		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_850

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Pancreas		Acinar-Cell Adenoma
Preputial gland		Abscess, Nos
		Inflammation, Chronic Focal
Spleen		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_851

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Jejunum	Inflammation, Acute Diffuse
	Jejunum	Necrosis, Focal
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Lung		Inflammation, Chronic
Parathyroid gland		Hyperplasia, Nos
Salivary gland		Sarcoma, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_852

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Kidney		Abscess, Nos
		Infarct, Nos
	Papilla	Necrosis, Nos
Liver		Thrombosis, Nos
Lung		Edema, Nos
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pancreas	Islets	Islet-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
Seminal vesicle		Abscess, Nos
		Cyst, Nos
		Hyperplasia, Diffuse
Spleen		Hemosiderosis
Stomach		Hyperkeratosis
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Urinary bladder		Hyperplasia, Diffuse
		Inflammation, Acute Focal
		Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_853

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Inflammation, Acute Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Inflammation, Acute Diffuse
	Mesenteric Lymph Node	Necrosis, Focal
Mammary gland		Hyperplasia, Diffuse
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Hyperplasia, Focal
Prostate		Abscess, Nos
		Inflammation, Acute Diffuse
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Diaphragm Nos	Hernia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_854

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone

Eye

Heart

Kidney

Liver

Lung

Lymph node

Mammary gland

Pituitary gland

Salivary gland

Skin

Spleen

Testis

Thyroid

Skull

Retina

Myocardium Nos

Mandibular Lymph Node

Pheochromocytoma

Osteopetrosis

Degeneration, Nos

Inflammation, Chronic Focal

Inflammation, Chronic

Focal Cellular Change

Inflammation, Chronic

Congestion, Nos

Fibroadenoma

Hyperplasia, Focal

Atrophy, Diffuse

Fibrosis, Diffuse

Trichoepithelioma

Hematopoiesis

Interstitial-Cell Tumor

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_855

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Degeneration, Nos Focal Cellular Change Pigmentation, Nos
Lung		Hemorrhage Inflammation, Chronic
Mammary gland		Hyperplasia, Focal
Spleen		Fibrosis, Focal
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos Axilla	Leukemia, Monocytic Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_856

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Inflammation, Chronic

Lung

Pigmentation, Nos

Lymph node

Inflammation, Chronic

Stomach

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Acanthosis

Fibrosis, Focal

Testis

Inflammation, Chronic Focal

Degeneration, Nos

Interstitial-Cell Tumor

Unspecified

Tunica Vaginalis

Mesothelioma, Malignant

Multiple Organs Nos

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_857

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse Thrombosis, Nos
Kidney		Inflammation, Chronic Mixed Tumor, Malignant
Liver	Bile Duct Bile Duct	Angiectasis Fibrosis Hyperplasia, Nos Necrosis, Focal
Lung		Congestion, Nos Hemorrhage
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Ectopia
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_858

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Esophagus

Heart

Kidney

Lung

Lymph node

Nasal cavity

Testis

Myocardium Nos

Mandibular Lymph Node

Mandibular Lymph Node

Turbinates Nos

Turbinates Nos

Pheochromocytoma

Carcinoma, Nos, Invasive

Hyperkeratosis

Inflammation, Chronic Diffuse

Inflammation, Chronic

Congestion, Nos

Inflammation, Chronic

Carcinoma, Nos, Metastatic

Hyperplasia, Lymphoid

Carcinoma, Nos

Inflammation, Acute

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_859

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Lung
Pituitary gland

Medulla

Hyperplasia, Focal
Inflammation, Chronic
Inflammation, Chronic
Adenoma, Nos
Angiectasis
Hyperkeratosis
Inflammation, Chronic Diffuse
Interstitial-Cell Tumor
Hyperplasia, C Cell
Leukemia, Monocytic

Stomach

Testis

Thyroid

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_860

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
	Myocardium Nos	Mineralization
Kidney		Inflammation, Chronic
		Mineralization
Lung		Inflammation, Chronic
Mammary gland		Hyperplasia, Diffuse
Parathyroid gland		Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Seminal vesicle		Cyst, Nos
		Hyperplasia, Diffuse
Skin	Back	Keratoacanthoma
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Urinary bladder		Inflammation, Acute/Chronic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_861

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
	Acinus	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_862

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Mammary gland

Pancreas

Pituitary gland

Testis

Retina

Myocardium Nos

Tubule

Pheochromocytoma

Degeneration, Nos

Inflammation, Chronic Diffuse

Inflammation, Chronic

Pigmentation, Nos

Granuloma, Nos

Inflammation, Chronic

Adenoma, Nos

Acinar-Cell Adenoma

Adenoma, Nos

Angiectasis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_863

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Parathyroid gland		Adenoma, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Hyperplasia, Focal
Skin		Basal-Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_864

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Testis		Degeneration, Nos
Unspecified	Perineum	Interstitial-Cell Tumor
	Multiple Organs Nos	Fibrosarcoma
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_865

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
		Pigmentation, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Pigmentation, Nos
Stomach		Inflammation, Acute Focal
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_866

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Inflammation, Chronic

Pigmentation, Nos

Liver

Granuloma, Nos

Metamorphosis, Fatty

Lung

Inflammation, Chronic

Pituitary gland

Adenoma, Nos

Prostate

Abscess, Nos

Inflammation, Chronic Focal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_867

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Prostate		Liposarcoma, Metastatic
		Hyperplasia, Focal
Testis		Inflammation, Chronic Focal
Thyroid		Interstitial-Cell Tumor
		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_868

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Inflammation, Chronic

Pigmentation, Nos

Lung

Inflammation, Chronic

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_869

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney	Cortex	Cyst, Nos
		Infarct, Healed
		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Flank	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_870

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Small
Kidney

Mesentery Nos

Fibrosarcoma
Inflammation, Chronic
Nephrosis, Hydro

Liver
Lung

Fibrosarcoma, Metastatic
Fibrosarcoma, Metastatic
Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Hemorrhage

Prostate

Mediastinal Lymph Node

Pigmentation, Nos

Spleen

Inflammation, Chronic Focal

Testis

Fibrosis, Focal

Hemorrhage

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Fibrosarcoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_871

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone	Rib	Degeneration, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Alveolar/Bronchiolar Adenoma
		Granuloma, Nos
		Inflammation, Chronic
Mammary gland		Hyperplasia, Diffuse
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Preputial gland		Cystic Ducts
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_872

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Testis

Thyroid

Bile Duct

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_873

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Carcinoma
Preputial gland		Adenoma, Nos Cystic Ducts
Prostate		Hyperplasia, Focal
Skin	Flank	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_874

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Lumbar Vertebra Nos	Liposarcoma, Invasive
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
		Liposarcoma, Metastatic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Liposarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_875

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Esophagus

Heart

Intestine Small

Kidney

Liver

Myocardium Nos

Duodenum

Bile Duct

Lung

Lymph node

Pancreas

Testis

Mesenteric Lymph Node

Islets

Pheochromocytoma

Hyperkeratosis

Inflammation, Chronic Focal

Adenomatous Polyp, Nos

Inflammation, Chronic

Granuloma, Nos

Hyperplasia, Nos

Metamorphosis, Fatty

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Islet-Cell Carcinoma

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_876

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Kidney

Cortex Nos

Metamorphosis, Fatty

Liver

Inflammation, Chronic

Lung

C-Cell Carcinoma, Metastatic

Alveolar/Bronchiolar Carcinoma

Congestion, Nos

Edema, Nos

Inflammation, Acute Diffuse

Necrosis, Focal

Pigmentation, Nos

Lymph node

Cervical Lymph Node Nos

C-Cell Carcinoma, Metastatic

Mediastinal Lymph Node

Inflammation, Acute Diffuse

Prostate

Hyperplasia, Focal

Spleen

Hemosiderosis

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_877

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
Testis		Ulcer, Perforated
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_878

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Intestine Large

Kidney

Lung

Lymph node

Spleen

Testis

Myocardium Nos

Cecum, Colon

Tubule

Mediastinal Lymph Node

Tunica Vaginalis

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Necrosis, Focal

Inflammation, Chronic

Pigmentation, Nos

Inflammation, Chronic

Pigmentation, Nos

Hematopoiesis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Mesothelioma, Malignant

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_879

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Galactocele
Pituitary gland		Adenoma, Nos
Skin	Back	Basal-Cell Carcinoma
Spleen		Hematopoiesis
		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Back	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_880

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Epididymis		Necrosis, Fat
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Back	Cyst, Hemorrhagic
Zymbal gland		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_881

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Hyperplasia, Tubular Cell Inflammation, Chronic Metaplasia, Osseous
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Parathyroid gland		Adenoma, Nos
Spleen		Hemorrhage
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_882

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Congestion, Nos
		Degeneration, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pituitary gland		Adenoma, Nos
Prostate		Adenoma, Nos
Skin	Back	Keratoacanthoma
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_883

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Carcinoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_884

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
		Thrombosis, Nos
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Seminal vesicle		Cyst, Nos
Spleen		Fibrosis, Focal
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_885

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Thrombus, Organized
Lung		Inflammation, Chronic Pigmentation, Nos
Pancreas		Mixed Tumor, Benign
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_886

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Intestine Large

Kidney

Lung

Prostate

Testis

Unspecified

Myocardium Nos

Cecum, Colon

Colon

Tubule

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Parasitism

Parasitism

Inflammation, Chronic

Pigmentation, Nos

Inflammation, Chronic

Hyperplasia, Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_887

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Brain

Hemorrhage

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_888

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain

Hemorrhage

Kidney

Necrosis, Focal

Testis

Inflammation, Chronic

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Lymphoma, Lymphocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_889

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node		Hemorrhage
	Mediastinal Lymph Node	
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Preputial gland		Squamous Cell Carcinoma
Skin		Basal-Cell Carcinoma
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_890

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Degeneration, Nos Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct Bile Duct	Hyperplasia, Nos Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node Mediastinal Lymph Node	Hyperplasia, Reticulum Cell Pigmentation, Nos
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Carcinoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Leg	Fibroma
Zymbal gland		Cystic Ducts Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_891

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Focal
Inflammation, Chronic

Liver
Lung

Tubule

Pigmentation, Nos
Focal Cellular Change
Hyperplasia, Alveolar Epithelium
Inflammation, Chronic

Lymph node
Mammary gland
Prostate
Testis
Thyroid

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell
Fibroadenoma
Hyperplasia, Focal
Interstitial-Cell Tumor
Cystic Follicles
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_892

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Medulla
Myocardium Nos

Hyperplasia, Focal
Inflammation, Chronic Focal
Inflammation, Chronic

Lung
Lymph node

Tubule

Cervical Lymph Node Nos
Renal Lymph Node
Cervical Lymph Node Nos
Renal Lymph Node

Pigmentation, Nos
Inflammation, Chronic
Erythrophagocytosis
Lymphangiectasis
Pigmentation, Nos
Pigmentation, Nos
Fibroadenoma
Adenoma, Nos
Hematopoiesis
Acanthosis
Inflammation, Chronic Diffuse
Degeneration, Nos
Interstitial-Cell Tumor
C-Cell Carcinoma

Mammary gland
Pituitary gland
Spleen
Stomach

Testis

Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_893

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Spleen		Hematopoiesis
Stomach		Acanthosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_894

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Heart

Kidney

Liver

Lung

Prostate

Testis

Thyroid

Unspecified

Cerebrum

Myocardium Nos

Tubule

Multiple Organs Nos

Pheochromocytoma

Gliosis

Inflammation, Chronic Focal

Inflammation, Chronic

Pigmentation, Nos

Degeneration, Nos

Hepatitis, Toxic

Hemorrhage

Inflammation, Acute Focal

Inflammation, Chronic

Hyperplasia, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_895

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Mineralization

Lung

Inflammation, Chronic

Prostate

Inflammation, Chronic Focal

Spleen

Hematopoiesis

Testis

Hyperplasia, Interstitial Cell

Unspecified

Interstitial-Cell Tumor

Fibroma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_896

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Salivary gland		Fibrosarcoma
Stomach		Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_897

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Testis

Zymbal gland

Myocardium Nos

Tubule

Bile Duct

Bile Duct

Mandibular Lymph Node

Mesenteric Lymph Node

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Pigmentation, Nos

Hyperplasia, Nos

Inflammation, Chronic

Inflammation, Chronic

Squamous Cell Carcinoma, Metastatic

Hyperplasia, Lymphoid

Hyperplasia, Reticulum Cell

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_898

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Necrosis, Focal
Lung		Granuloma, Nos Inflammation, Chronic
Lymph node	Mesenteric Lymph Node Ileocolic Lymph Node	Hyperplasia, Reticulum Cell Lymphangiectasis
Mammary gland		Fibroadenoma Hyperplasia, Diffuse
Pancreas	Acinus Islets	Hyperplasia, Focal Islet-Cell Adenoma
Prostate		Inflammation, Chronic Focal
Skin	Lower Leg	Basal-Cell Carcinoma
Spleen		Hemangiosarcoma Hematopoiesis Hemorrhage Necrosis, Nos
Testis		Interstitial-Cell Tumor
Zymbal gland		Hyperkeratosis

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_899

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver	Bile Duct Bile Duct	Hepatitis, Toxic Hyperplasia, Nos Inflammation, Chronic Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_900

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Tubule

Pigmentation, Nos

Liver

Degeneration, Nos

Lung

Inflammation, Chronic

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Diaphragm Nos

Fibrous Histiocytoma, Malignant

Hernia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_901

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla
Cortex Nos

Hyperplasia, Focal
Metamorphosis, Fatty
Pheochromocytoma

Heart
Intestine Large

Myocardium Nos
Colon

Inflammation, Chronic Diffuse
Parasitism

Kidney

Liver

Inflammation, Chronic
Degeneration, Nos

Lung

Spleen

Stomach

Testis

Unspecified

Multiple Organs Nos

Hepatitis, Toxic
Inflammation, Chronic
Fibrosis, Multifocal
Edema, Nos
Interstitial-Cell Tumor
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_902

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_903

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Spleen

Testis

Thyroid

Unspecified

Myocardium Nos

Tubule

Ileocolic Lymph Node

Mesenteric Lymph Node

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Pigmentation, Nos

Hepatitis, Toxic

Neoplastic Nodule

Pigmentation, Nos

Inflammation, Chronic

Lymphangiectasis

Pigmentation, Nos

Ectopia

Fibrosis, Focal

Interstitial-Cell Tumor

C-Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_904

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Cortex Nos

Metamorphosis, Fatty

Kidney

Myocardium Nos

Inflammation, Chronic Focal

Liver

Inflammation, Chronic

Hepatitis, Toxic

Necrosis, Focal

Neoplastic Nodule

Thrombosis, Nos

Lung

Inflammation, Chronic

Mammary gland

Galactocele

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_905

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Granuloma, Nos

Lung

Metamorphosis, Fatty

Lymph node

Mediastinal Lymph Node

Inflammation, Chronic

Hemorrhage

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mediastinal Lymph Node

Pigmentation, Nos

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Testis

Hyperplasia, Interstitial Cell

Unspecified

Groin

Interstitial-Cell Tumor

Abscess, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_906

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Cataract
		Degeneration, Nos
Heart	Myocardium Nos	Synechia, Anterior
Kidney		Inflammation, Chronic Diffuse
Liver		Inflammation, Chronic
Lung		Hepatocellular Carcinoma
Lymph node	Mesenteric Lymph Node	Inflammation, Chronic
	Mandibular Lymph Node	Erythrophagocytosis
Pituitary gland		Hyperplasia, Lymphoid
Skin	Flank	Hyperplasia, Focal
Stomach		Cyst, Epidermal Inclusion
		Acanthosis
		Hyperkeratosis
Testis		Inflammation, Chronic Diffuse
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_907

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Mixed Tumor, Benign
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_908

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Intestine Large

Kidney

Liver

Lung

Lymph node

Pancreas

Retina

Myocardium Nos

Colon

Mesenteric Lymph Node

Islets

Islets

Neck

Cortical Adenoma

Degeneration, Nos

Inflammation, Chronic Diffuse

Parasitism

Inflammation, Chronic

Metamorphosis, Fatty

Pigmentation, Nos

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Acinar-Cell Adenoma

Hyperplasia, Focal

Islet-Cell Adenoma

Keratoacanthoma

Hematopoiesis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_909

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Astrocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_910

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos Hemorrhage
Heart	Myocardium Nos	Synechia, Posterior Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Leukocytosis, Nos
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid	Tunica Vaginalis	Mesothelioma, Malignant C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell
	Multiple Organs Nos	Leukemia, Mononuclear Cell Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_911

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lung

Prostate

Testis

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Inflammation, Chronic

Inflammation, Chronic Focal

Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_912

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic Leukocytosis, Nos
Lung		Hemorrhage Inflammation, Chronic Squamous Cell Carcinoma, Metastatic
Lymph node	Mediastinal Lymph Node Mesenteric Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
Prostate		Hyperplasia, Focal
Skin		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_913

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Salivary gland		Fibrosarcoma
Skin	Chest	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Fibrosarcoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_914

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Hemangiosarcoma, Metastatic
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Interstitial-Cell Tumor, Metastatic
Prostate		Abscess, Nos Hyperplasia, Diffuse Inflammation, Chronic Diffuse
Spleen		Hemangiosarcoma
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Back	Neurofibroma
Urinary bladder	Mucosa	Hyperplasia, Papillary Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_915

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_916

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow

Hypoplasia, Nos

Liver

Metamorphosis, Fatty

Testis

Degeneration, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:54
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_917

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Pigmentation, Nos
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Necrosis, Focal
Lung		C-Cell Carcinoma, Metastatic
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis
		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Trachea		C-Cell Carcinoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:54

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_918

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Lymph node

Stomach

Testis

Thyroid

Unspecified

Retina

Myocardium Nos

Mesenteric Lymph Node

Multiple Organs Nos

Pheochromocytoma

Degeneration, Nos

Inflammation, Chronic Focal

Inflammation, Chronic

Hepatitis, Toxic

Hemorrhage

Hyperplasia, Reticulum Cell

Necrosis, Focal

Interstitial-Cell Tumor

C-Cell Adenoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_919

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Diaphragm Nos	Hemorrhage
	Diaphragm Nos	Inflammation, Acute Diffuse
	Diaphragm Nos	Necrosis, Diffuse
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_920

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Esophagus

Hyperplasia, Focal

Heart

Hyperkeratosis

Kidney

Myocardium Nos

Inflammation, Chronic Diffuse

Liver

Inflammation, Chronic

Lung

Mineralization

Lymph node

Mesenteric Lymph Node

Metamorphosis, Fatty

Seminal vesicle

Inflammation, Chronic

Skin

Hyperplasia, Reticulum Cell

Testis

Abdomen

Cyst, Nos

Unspecified

Tunica Vaginalis

Hyperplasia, Diffuse

Multiple Organs Nos

Hyperkeratosis

Keratoacanthoma

Mesothelioma, Malignant

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_921

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
		Pheochromocytoma, Malignant
Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
	Vitreous Body	Vascularization
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Parathyroid gland		Hyperplasia, Nos
Spleen		Fibrosis, Focal
		Hematopoiesis
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_922

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Necrosis, Focal
Mammary gland		Hyperplasia, Diffuse
Pancreas		Acinar-Cell Adenoma
		Fibrosis, Focal
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_923

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Neoplastic Nodule
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
Skin	Lower Leg	Keratoacanthoma
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Acute Diffuse
		Inflammation, Chronic Diffuse
		Necrosis, Diffuse
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_924

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Duodenum	Hemorrhage
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
		Inflammation, Interstitial
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Hyperplasia, Diffuse
		Papillary Cystadenoma, Nos
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Spleen		Hematopoiesis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_925

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Cecum, Colon	Cyst, Nos
	Cecum, Colon	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Stomach		Inflammation, Chronic Diffuse
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_926

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Degeneration, Nos Empyema
	Cornea	Inflammation, Acute Focal
	Cornea	Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
	Myocardium Nos	Mineralization
Intestine Large	Muscularis, Colon	Degeneration, Nos
	Cecum, Colon	Leiomyosarcoma
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Leukemia, Monocytic
Lung		Inflammation, Chronic
Mammary gland		Hyperplasia, Diffuse
Skin	Back	Basal-Cell Carcinoma
	Ear	Basal-Cell Tumor
	Groin	Keratoacanthoma
Stomach		Mineralization
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_927

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_928

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Trunk	Fibrosarcoma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_929

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Metamorphosis, Fatty
Lung	Granuloma, Nos
	Inflammation, Chronic
Prostate	Inflammation, Chronic Focal
Stomach	Acanthosis
	Hyperkeratosis
	Inflammation, Chronic Diffuse
	Necrosis, Focal
Testis	Hyperplasia, Interstitial Cell
	Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_930

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Osteosarcoma
Intestine Large	Cecum, Colon	Inflammation, Acute Focal
	Cecum, Colon	Necrosis, Focal
Kidney		Abscess, Nos
	Pelvis	Inflammation, Acute Focal
		Inflammation, Chronic
	Pelvis	Necrosis, Focal
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Abscess, Nos
	Mesenteric Lymph Node	Inflammation, Acute Diffuse
Pancreas		Atrophy, Focal
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Spleen		Hemosiderosis
Stomach		Mineralization
Testis		Interstitial-Cell Tumor
Urinary bladder		Inflammation, Acute Diffuse
		Necrosis, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_931

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Kidney

Inflammation, Chronic

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Spleen

Fibrosis, Focal

Testis

Interstitial-Cell Tumor

Thyroid

Cyst, Follicular Nos

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_932

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Degeneration, Nos

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Neoplastic Nodule

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Pancreas

Acinar-Cell Adenoma

Prostate

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

Unspecified

Chest

Fibroma

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_933

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Degeneration, Nos

Hepatitis, Toxic

Lung

Inflammation, Chronic

Pituitary gland

Hyperplasia, Focal

Prostate

Hyperplasia, Focal

Spleen

Fibrosis, Multifocal

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_934

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Spleen

Testis

Retina

Myocardium Nos

Mandibular Lymph Node

Pancreatic Lymph Node

Islets

Pheochromocytoma

Degeneration, Nos

Inflammation, Chronic Focal

Inflammation, Chronic

Focal Cellular Change

Inflammation, Chronic

Hyperplasia, Lymphoid

Hyperplasia, Reticulum Cell

Atrophy, Diffuse

Islet-Cell Carcinoma

Hemosiderosis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_935

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Liver

Hepatitis, Toxic

Stomach

Acanthosis

Hyperkeratosis

Inflammation, Chronic Diffuse

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Abdominal Cavity

Necrosis, Fat

Zymbal gland

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_936

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Skin	Foot And Toe Nos	Acanthosis
	Foot And Toe Nos	Hyperkeratosis
Testis		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Necrosis, Fat
	Axilla	Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_937

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pancreas		Atrophy, Focal
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_938

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Nephrosis, Hydro
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Hemorrhage
		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Prostate		Cyst, Nos
		Inflammation, Acute Diffuse
Seminal vesicle		Cyst, Nos
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_939

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Skin	Flank	Fibrous Histiocytoma, Malignant
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_940

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Neoplastic Nodule
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Diffuse
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Hyperplasia, Focal
Skin		Basal-Cell Tumor
Spleen		Angiectasis
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		Cystic Follicles
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_941

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Hyperplasia, Focal
Spleen		Necrosis, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Carcinoma
Trachea		Follicular-Cell Carcinoma, Invasive
Unspecified	Multiple Organs Nos	C-Cell Carcinoma, Metastatic
	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_942

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Hemorrhage
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Cecum, Colon	Inflammation, Chronic Focal
	Cecum, Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Skin	Tail	Cyst, Epidermal Inclusion
Spleen		Fibrosis, Diffuse
Stomach		Acanthosis
		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_943

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Granuloma, Nos Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Spleen		Congestion, Nos
Testis		Interstitial-Cell Tumor
Unspecified		Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_944

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Mammary gland		Fibroadenoma
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Stomach		Hyperkeratosis
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_945

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Sacrum	Liposarcoma, Invasive
Bone marrow		Liposarcoma, Invasive
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
		Liposarcoma, Metastatic
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified		Liposarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_946

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Inflammation, Chronic Diffuse

Kidney

Colon

Necrosis, Diffuse

Lung

Inflammation, Chronic

Testis

Mineralization

Thyroid

Inflammation, Chronic

Unspecified

Interstitial-Cell Tumor

Urinary bladder

Groin

Hyperplasia, C Cell

Fibroma

Hemorrhage

Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_947

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Tubule

Pigmentation, Nos

Liver

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Prostate

Inflammation, Chronic Focal

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_948

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
		Inflammation, Interstitial
		Liposarcoma, Metastatic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Islet-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
		Angiectasis
		Cyst, Nos
Skin	Back	Basal-Cell Carcinoma
		Keratoacanthoma
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_949

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla
Cortex Nos

Hyperplasia, Focal
Metamorphosis, Fatty
Pheochromocytoma

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Tubule

Pigmentation, Nos

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Pituitary gland

Angiectasis

Prostate

Hyperplasia, Focal

Stomach

Hyperplasia, Focal

Testis

Necrosis, Focal

Unspecified

Interstitial-Cell Tumor

Back

Fibroma

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_950

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Hemorrhage
	Cerebrum	Hemorrhage
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Skin	Nose	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_951

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Medulla

Hyperplasia, Focal

Eye

Retina

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Intestine Large

Cecum, Colon

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic Focal

Liver

Hamartoma

Inflammation, Chronic

Degeneration, Nos

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Ileocolic Lymph Node

Hyperplasia, Lymphoid

Pancreatic Lymph Node

Hyperplasia, Lymphoid

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Ileocolic Lymph Node

Lymphangiectasis

Pancreatic Lymph Node

Pigmentation, Nos

Prostate

Inflammation, Chronic Focal

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Cyst, Follicular Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_952

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma Pheochromocytoma, Malignant
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Mesothelioma, Metastatic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Mesothelioma, Metastatic
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		Cystic Follicles
Unspecified	Flank	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Mesothelioma, Invasive
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_953

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Ganglioneuroma

Hyperplasia, Focal

Pheochromocytoma

Brain

Cerebrum

Astrocytoma

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Tubule

Inflammation, Chronic

Pigmentation, Nos

Liver

Metamorphosis, Fatty

Lung

Hemorrhage

Inflammation, Chronic

Spleen

Hemosiderosis

Stomach

Acanthosis

Hyperkeratosis

Inflammation, Chronic Diffuse

Testis

Necrosis, Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_954

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Mineralization
Kidney	Papilla	Inflammation, Acute Focal Mineralization
	Papilla	Necrosis, Focal
Liver	Bile Duct	Focal Cellular Change Hyperplasia, Nos Metamorphosis, Fatty
Pancreas	Islets	Atrophy, Focal Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Angiectasis
Prostate		Abscess, Nos
Seminal vesicle		Hyperplasia, Diffuse
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Pigmentation, Nos
Urinary bladder		Hemorrhage Hyperplasia, Diffuse Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_955

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Degeneration, Nos

Hepatitis, Toxic

Neoplastic Nodule

Lung

Alveolar/Bronchiolar Carcinoma

Pancreas

Islets

Islet-Cell Carcinoma

Spleen

Fibrosis, Focal

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Hyperplasia, C Cell

Unspecified

Mediastinum Nos

Alveolar/Bronchiolar Carcinoma, Invasive

Multiple Organs Nos

Leukemia, Monocytic

Groin

Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_956

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Intestine Small	Duodenum	Necrosis, Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Leg	Fibrous Histiocytoma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_957

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_958

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Eye

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lung

Hemorrhage

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_959

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Mesentery Nos, Colon	Inflammation, Fibrinous
Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
Preputial gland		Cystic Ducts
Prostate		Inflammation, Acute Diffuse
Seminal vesicle		Cyst, Nos
		Hyperplasia, Diffuse
Skin	Back	Inflammation, Acute Diffuse
		Acanthosis
		Basal-Cell Carcinoma
		Hyperkeratosis
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Urinary bladder		Hemorrhage
		Inflammation, Acute Diffuse
		Necrosis, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_960

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Liver		Focal Cellular Change Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Skin	Ear	Squamous Cell Papilloma
Stomach		Acanthosis Necrosis, Focal
Testis		Degeneration, Nos Interstitial-Cell Tumor Periarteritis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_961

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Ectopia
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_962

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Nasal cavity	Turbinates Nos	Squamous Cell Carcinoma
Pancreas	Islets	Islet-Cell Adenoma
Spleen	Follicles	Atrophy, Nos
		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Tongue		Edema, Nos
Unspecified	Back	Fibroma
	Back	Neurofibroma
	Multiple Organs Nos	Squamous Cell Carcinoma, Invasive
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_963

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_964

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Spleen

Testis

Unspecified

Myocardium Nos

Tubule

Bile Duct

Mediastinal Lymph Node

Tunica Vaginalis

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Pigmentation, Nos

Focal Cellular Change

Granuloma, Nos

Inflammation, Chronic

Leukocytosis, Nos

Inflammation, Chronic

Pigmentation, Nos

Ectopia

Hematopoiesis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Mesothelioma, Malignant

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_965

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Lung	Alveoli	Alveolar/Bronchiolar Carcinoma Histiocytosis Inflammation, Chronic Inflammation, Interstitial Squamous Cell Carcinoma, Metastatic
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts Hyperplasia, Diffuse
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos Cyst, Nos
Prostate		Hyperplasia, Focal Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos Hyperplasia, C Cell
Unspecified Zymbal gland	Multiple Organs Nos	Leukemia, Monocytic Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_966

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Duodenum	Inflammation, Acute Focal
	Duodenum	Necrosis, Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_967

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Harderian gland

Harderian Gland

Inflammation, Chronic Diffuse

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Tubule

Pigmentation, Nos

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Pituitary gland

Pigmentation, Nos

Carcinoma, Nos

Skin

Abdomen

Hemangioma

Stomach

Acanthosis

Hyperkeratosis

Testis

Necrosis, Focal

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_968

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis

Heart

Kidney

Liver

Lung

Stomach

Testis

Thyroid

Unspecified

Myocardium Nos

Tubule

Multiple Organs Nos

Necrosis, Fat

Inflammation, Chronic Diffuse

Inflammation, Chronic

Pigmentation, Nos

Metamorphosis, Fatty

Pigmentation, Nos

Inflammation, Chronic

Acanthosis

Hyperkeratosis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Follicular-Cell Adenoma

Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_969

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Kidney

Inflammation, Chronic

Liver

Degeneration, Nos

Focal Cellular Change

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_970

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Esophagus

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Spleen

Testis

Myocardium Nos

Cortex

Mesenteric Lymph Node

Islets

Pheochromocytoma

Hyperkeratosis

Inflammation, Chronic Focal

Cyst, Nos

Inflammation, Chronic

Focal Cellular Change

Necrosis, Focal

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Islet-Cell Adenoma

Hematopoiesis

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_971

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Brain		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenoma, Nos
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_972

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Brain	Cerebellum Nos	Astrocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Angiectasis
		Focal Cellular Change
		Granuloma, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Spleen		Hemosiderosis
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, chrysotile(SR)

CAS Number: 12001-29-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:12:55

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_973

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver
Lung

Pituitary gland
Prostate
Testis

Medulla
Myocardium Nos
Cecum, Colon

Bile Duct

Hyperplasia, Focal
Inflammation, Chronic Focal
Lipoma
Inflammation, Chronic
Inflammation, Chronic
Hyperplasia, Alveolar Epithelium
Inflammation, Chronic
Adenoma, Nos
Inflammation, Chronic Diffuse
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C61223A
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, chrysotile(SR)
CAS Number: 12001-29-5

Date Report Requested: 10/26/2014
Time Report Requested: 10:12:55
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_974

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma, Malignant
Epididymis		Granuloma, Spermatic
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Degeneration, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
		Fibroadenoma
		Galactocele
		Hyperplasia, Nos
Oral mucosa	Palate	Squamous Cell Papilloma
Prostate		Abscess, Nos
		Hyperplasia, Diffuse
Seminal vesicle		Cyst, Nos
Spleen	Follicles	Atrophy, Nos
		Fibrosis, Diffuse
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE