

Experiment Number: 61427-03
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

C Number:	C61427
Lock Date:	05/20/1992
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Lung	Perivascular	Inflammation	Minimal
* Lymph Node, Mediastinal [Congestion TGLS = 1]		Congestion	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 905222002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung	Perivascular	Inflammation	Mild
* Preputial Gland		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 905222003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung		Hemorrhage	Mild
	Perivascular	Inflammation	Minimal
[Hemorrhage TGLS = 2]			
* Lymph Node, Mediastinal		Congestion	Minimal
[Congestion TGLS = 1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver	Hepatocyte	Necrosis	Minimal
* Lung	Perivascular	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 905222005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung		Hemorrhage	Minimal
	Perivascular	Inflammation	Minimal
[Hemorrhage TGLS = 1]			
* Lymph Node, Bronchial		Congestion	Mild
* Lymph Node, Mediastinal		Congestion	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 905222006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney | * Larynx | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- | | | | |
|---------------------------|--------------|----------------|---------|
| * Adrenal Cortex | | Hemorrhage | Marked |
| [Hemorrhage TGLS = 1] | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Lung | Perivascular | Inflammation | Minimal |
| * Lymph Node, Mediastinal | | Congestion | Minimal |
| [Congestion TGLS = 2] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung	Perivascular	Inflammation	Minimal
* Lymph Node, Mediastinal [Congestion TGLS = 1]		Congestion	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung		Hemorrhage	Minimal
	Perivascular	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Lung	Hemorrhage	Minimal
* Lymph Node, Mediastinal	Congestion	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver	Hepatocyte	Necrosis	Minimal
* Lung		Hemorrhage	Minimal
	Perivascular	Inflammation	Minimal
* Lymph Node, Mediastinal		Congestion	Mild
[Congestion TGLS = 2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 21

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Mild

[Inflammation TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 22

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 23

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Mild

[Inflammation TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 24

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 25

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Lung

* Nose

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 26

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Lung

* Nose

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 27

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Lung

* Nose

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 28

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 29

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 30

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 41

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Mild

Perivascular

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 42

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium
Perivascular

Hyperplasia
Inflammation
Inflammation

Mild
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 43

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium
Perivascular

Hyperplasia
Inflammation
Inflammation

Mild
Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 44

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Mild

Perivascular

Inflammation

Minimal

Inflammation

Minimal

[Hyperplasia TGLS = 1]

[Inflammation TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 45

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium
Perivascular

Hyperplasia
Inflammation
Inflammation

Mild
Minimal
Minimal

[Hyperplasia TGLS = 1]

[Inflammation TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 46

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

Lymph Node, Mediastinal

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Mild

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 47

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Liver

* Nose

OBSERVATIONS

* Lung

Epithelium
Perivascular

Fibrosis
Hyperplasia
Inflammation
Inflammation

Minimal
Mild
Minimal
Minimal

[Fibrosis TGLS = 3]

[Hyperplasia TGLS = 3]

Lymph Node, Mediastinal

Congestion

Minimal

[Congestion TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 48

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Liver

Lymph Node, Mediastinal

* Nose

OBSERVATIONS

* Lung

Epithelium
Perivascular

Fibrosis
Hyperplasia
Inflammation
Inflammation

Minimal
Mild
Minimal
Minimal

[Fibrosis TGLS = 3]

[Hyperplasia TGLS = 3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 49

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

Lymph Node, Mediastinal

* Nose

OBSERVATIONS

* Lung

Epithelium
Perivascular

Hemorrhage
Hyperplasia
Inflammation
Inflammation

Minimal
Mild
Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 50

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium
Perivascular

Hyperplasia
Inflammation
Inflammation

Mild
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 61

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Mild

Hyperplasia

Moderate

Inflammation

Minimal

[Fibrosis TGLS = 1]

[Hyperplasia TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 62

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Mild

Hyperplasia

Moderate

Inflammation

Minimal

[Fibrosis TGLS = 3]

[Hyperplasia TGLS = 3]

Lymph Node, Mediastinal

Congestion

Minimal

[Congestion TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 63

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Hyperplasia

Inflammation

Mild

Moderate

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 64

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Moderate

Hyperplasia

Moderate

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 65

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Mild

Hyperplasia

Moderate

Inflammation

Minimal

[Fibrosis TGLS = 1]

[Hyperplasia TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 66

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Mild

Hyperplasia

Moderate

Inflammation

Minimal

[Fibrosis TGLS = 1]

[Hyperplasia TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 67

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Hyperplasia

Inflammation

Mild

Moderate

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 68

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Moderate

Inflammation

Minimal

[Fibrosis TGLS = 1]

[Hyperplasia TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 69

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Liver

Hepatodiaphragmatic Nodule

Minimal

[Hepatodiaphragmatic Nodule TGLS = 1]

* Lung

Fibrosis

Mild

Epithelium

Hyperplasia

Moderate

Inflammation

Minimal

[Fibrosis TGLS = 3]

[Hyperplasia TGLS = 3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 70

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

MISSING

Lymph Node, Mediastinal

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Moderate

Inflammation

Minimal

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 81

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Intestine Large, Rectum	* Lymph Node, Bronchial	* Parathyroid Gland	
---------------------------	-------------------------	---------------------	--

OBSERVATIONS

* Lung	Epithelium	Fibrosis Hyperplasia Inflammation	Mild Moderate Minimal
[Fibrosis TGLS = 1]			
[Hyperplasia TGLS = 1]			
[Inflammation TGLS = 1]			
* Nose	Respirat Epith Respirat Epith	Hyperplasia Metaplasia	Minimal Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 82

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Marked
		Hemorrhage	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
[Hemorrhage TGLS = 2]			
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 83

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Marked
		Hemorrhage	Minimal
	Epithelium	Hyperplasia	Marked
		Inflammation	Minimal
[Hemorrhage TGLS = 2]			
[Hyperplasia TGLS = 2]			
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 84

TRT#: 5

DOSE: 8.00 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: 905222084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
		Hemorrhage	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
		[Fibrosis TGLS = 1]	
		[Hemorrhage TGLS = 1]	
		[Hyperplasia TGLS = 1]	
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 85

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Lung		Fibrosis	Moderate
		Hemorrhage	Moderate
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
[Fibrosis TGLS = 1]			
[Hemorrhage TGLS = 1]			
[Hyperplasia TGLS = 1]			
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 86

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Mild
* Lung	Bronchiole	Exudate	Minimal
	Epithelium	Fibrosis	Marked
		Hyperplasia	Marked
		Inflammation	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 87

TRT#: 5

DOSE: 8.00 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: 905222087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung		Fibrosis	Moderate
		Hemorrhage	Mild
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
[Fibrosis TGLS = 1]			
[Hyperplasia TGLS = 1]			
[Inflammation TGLS = 1]			
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal
* Testes		Degeneration	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 88

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
		Hemorrhage	Mild
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
[Hemorrhage TGLS = 1]			
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 89

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
		Hemorrhage	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
[Hemorrhage TGLS = 1]			
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 90

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
		Hemorrhage	Mild
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
[Hemorrhage TGLS = 1]			
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 101

TRT#: 6

SEX: Male

DAY ON TEST: 75

DOSE: 16.00 MG/M3

DISP: Natural Death

HISTO: 905222101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Skin	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Moderate
* Epididymis		Atypia Cellular	Mild
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
[Fibrosis TGLS = 1]			
[Hyperplasia TGLS = 1]			
[Inflammation TGLS = 1]			
* Lymph Node, Bronchial		Hyperplasia	Mild
* Lymph Node, Mediastinal		Depletion Lymphoid	Mild
* Lymph Node, Mesenteric		Depletion Lymphoid	Moderate
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Mild
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 3]			
* Thymus		Depletion Lymphoid	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Vanadium pentoxide
CAS Number: 1314-62-1

Date Report Requested: 10/23/2014
Time Report Requested: 02:29:47
First Dose M/F: NA / NA
Lab: IIT

ANIMAL ID: 101

TRT#: 6

SEX: Male

DAY ON TEST: 75

DOSE: 16.00 MG/M3

DISP: Natural Death

HISTO: 905222101

ORGAN AND ACCOUNTABLE SITE STATUS

[Depletion Lymphoid TGLS = 4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 102

TRT#: 6

DOSE: 16.00 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: 905222102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Parathyroid Gland	* Pituitary Gland
* Thymus			

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Mild
* Epididymis		Atypia Cellular	Moderate
* Kidney	Papilla	Degeneration	Mild
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
[Exudate TGLS = 4]			
[Fibrosis TGLS = 4]			
[Hyperplasia TGLS = 4]			
[Inflammation TGLS = 4]			
* Lymph Node, Mesenteric		Depletion Lymphoid	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
	Respirat Epith	Metaplasia	Mild
* Preputial Gland		Atrophy	Moderate
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 102

TRT#: 6

SEX: Male

DAY ON TEST: 92

DOSE: 16.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222102

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Degeneration

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 103

TRT#: 6

SEX: Male

DAY ON TEST: 54

DOSE: 16.00 MG/M3

DISP: Natural Death

HISTO: 905222103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Bone	Metaphysis	Atrophy	Minimal
* Epididymis		Atypia Cellular	Mild
* Lung	Bronchiole	Exudate	Mild
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Mild
* Preputial Gland		Atrophy	Moderate
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Depletion Lymphoid	Moderate
	[Depletion Lymphoid TGLS = 1]		
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 104

TRT#: 6

DOSE: 16.00 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 53

HISTO: 905222104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Salivary Glands
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OBSERVATIONS

* Bone	Metaphysis	Atrophy	Mild
* Epididymis		Atypia Cellular	Mild
* Lung	Bronchiole	Exudate	Minimal
	Epithelium	Fibrosis	Moderate
		Hyperplasia	Moderate
		Inflammation	Mild
[Exudate TGLS = 5]			
[Fibrosis TGLS = 5]			
[Hyperplasia TGLS = 5]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Moderate
	Respirat Epith	Metaplasia	Mild
* Preputial Gland		Atrophy	Minimal
* Prostate		Atrophy	Minimal
* Seminal Vesicle		Atrophy	Mild
* Spleen		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 1]			
* Testes		Degeneration	Minimal
* Thymus		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 104

TRT#: 6

SEX: Male

DAY ON TEST: 53

DOSE: 16.00 MG/M3

DISP: Natural Death

HISTO: 905222104

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 105

TRT#: 6

SEX: Male

DAY ON TEST: 59

DOSE: 16.00 MG/M3

DISP: Natural Death

HISTO: 905222105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone	Metaphysis	Atrophy	Moderate
* Epididymis		Atypia Cellular	Minimal
* Lung		Fibrosis	Marked
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
* Lymph Node, Mediastinal		Depletion Lymphoid	Marked
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Mild
	Respirat Epith	Metaplasia	Mild
* Preputial Gland		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Depletion Lymphoid	Marked
	[Depletion Lymphoid TGLS = 1]		
* Thymus		Depletion Lymphoid	Marked
	[Depletion Lymphoid TGLS = 2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 106

TRT#: 6

DOSE: 16.00 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: 905222106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Moderate
* Epididymis		Atypia Cellular	Marked
* Liver		Hepatodiaphragmatic Nodule	Minimal
[Hepatodiaphragmatic Nodule TGLS = 4]			
* Lung	Bronchiole	Exudate	Mild
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Marked
		Inflammation	Moderate
* Lymph Node, Mandibular		Depletion Lymphoid	Mild
* Lymph Node, Mediastinal		Depletion Lymphoid	Minimal
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Mild
* Preputial Gland		Atrophy	Mild
* Prostate		Atrophy	Marked
* Seminal Vesicle		Atrophy	Marked
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 2]			
* Testes		Degeneration	Marked
* Thymus		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 106

TRT#: 6

SEX: Male

DAY ON TEST: 92

DOSE: 16.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222106

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 107

TRT#: 6

DOSE: 16.00 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 55

HISTO: 905222107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Larynx	* Liver	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Mild
* Bone Marrow		Hypocellularity	Moderate
* Epididymis		Atypia Cellular	Mild
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
* Lymph Node, Bronchial		Depletion Lymphoid	Moderate
* Lymph Node, Mandibular		Depletion Lymphoid	Moderate
* Lymph Node, Mediastinal		Depletion Lymphoid	Marked
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Depletion Lymphoid	Moderate
		[Depletion Lymphoid TGLS = 1]	
* Thymus		Depletion Lymphoid	Marked
		[Depletion Lymphoid TGLS = 2]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 108

TRT#: 6

SEX: Male

DAY ON TEST: 74

DOSE: 16.00 MG/M3

DISP: Natural Death

HISTO: 905222108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Larynx	* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Preputial Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland	* Pituitary Gland
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OBSERVATIONS

* Bone	Metaphysis	Atrophy	Mild
* Bone Marrow		Hypocellularity	Moderate
* Epididymis		Atypia Cellular	Mild
* Lung	Epithelium	Fibrosis	Mild
		Hyperplasia	Moderate
		Inflammation	Mild
[Fibrosis TGLS = 1]			
[Hyperplasia TGLS = 1]			
[Inflammation TGLS = 1]			
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Minimal
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 2]			
* Testes		Degeneration	Mild
* Thymus		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 109

TRT#: 6

SEX: Male

DAY ON TEST: 74

DOSE: 16.00 MG/M3

DISP: Natural Death

HISTO: 905222109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Liver	* Lymph Node, Mediastinal
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Moderate
* Epididymis		Atypia Cellular	Mild
* Lung	Bronchiole	Exudate	Mild
		Fibrosis	Marked
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
[Exudate TGLS = 1]			
[Fibrosis TGLS = 1]			
[Hyperplasia TGLS = 1]			
[Inflammation TGLS = 1]			
* Lymph Node, Mandibular		Depletion Lymphoid	Mild
* Lymph Node, Mesenteric		Depletion Lymphoid	Minimal
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 4]			
* Testes		Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 109

TRT#: 6

SEX: Male

DAY ON TEST: 74

DOSE: 16.00 MG/M3

DISP: Natural Death

HISTO: 905222109

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Depletion Lymphoid

Moderate

[Depletion Lymphoid TGLS = 3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 110

TRT#: 6

DOSE: 16.00 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: 905222110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Mild
* Epididymis		Atypia Cellular	Marked
* Liver		Hepatodiaphragmatic Nodule	Minimal
[Hepatodiaphragmatic Nodule TGLS = 4]			
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal
* Prostate		Atrophy	Marked
* Seminal Vesicle		Atrophy	Marked
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 2]			
* Testes		Degeneration	Marked
* Thymus		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 11

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx | * Liver |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|--------------|----------------|---------|
| * Kidney | | Mineralization | Minimal |
| * Lung | Perivascular | Inflammation | Minimal |
| * Ovary | | Cyst | Minimal |
| [Cyst TGLS = 1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 12

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Bone

* Bone Marrow

* Brain

* Clitoral Gland

* Esophagus

* Intestine Large, Cecum

* Intestine Large, Colon

* Intestine Large, Rectum

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

* Kidney

* Larynx

* Liver

* Lymph Node, Bronchial

* Lymph Node, Mandibular

* Lymph Node, Mediastinal

* Lymph Node, Mesenteric

* Mammary Gland

* Nose

* Ovary

* Pancreas

* Parathyroid Gland

* Pituitary Gland

* Salivary Glands

* Skin

* Spleen

* Thymus

* Thyroid Gland

* Trachea

* Urinary Bladder

* Uterus

OBSERVATIONS

* Heart

Cardiomyopathy

Minimal

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 13

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Bronchial
- * Mammary Gland
- * Parathyroid Gland
- * Spleen
- * Urinary Bladder

- * Adrenal Medulla
- * Clitoral Gland
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Nose
- * Pituitary Gland
- * Thymus
- * Uterus

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Larynx
- * Lymph Node, Mediastinal
- * Ovary
- * Salivary Glands
- * Thyroid Gland

- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Liver
- * Lymph Node, Mesenteric
- * Pancreas
- * Skin
- * Trachea

OBSERVATIONS

- | | | | |
|----------|--------------|----------------|---------|
| * Kidney | | Mineralization | Minimal |
| * Lung | Perivascular | Inflammation | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 14

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Bronchial
* Mammary Gland
* Parathyroid Gland
* Spleen
* Urinary Bladder

* Adrenal Medulla
* Clitoral Gland
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Nose
* Pituitary Gland
* Thymus
* Uterus

* Bone
* Esophagus
* Intestine Large, Rectum
* Larynx
* Lymph Node, Mediastinal
* Ovary
* Salivary Glands
* Thyroid Gland

* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Liver
* Lymph Node, Mesenteric
* Pancreas
* Skin
* Trachea

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Lung	Perivascular	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 15

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung	Perivascular	Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 16

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Lung	Perivascular	Inflammation	Minimal
--------	--------------	--------------	---------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 17

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2]			
* Lung	Perivascular	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 18

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Lung	Perivascular	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 19

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx | * Liver |
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------|--------------|----------------|---------|
| * Kidney | | Mineralization | Minimal |
| * Lung | Perivascular | Inflammation | Minimal |
| * Lymph Node, Mediastinal | | Congestion | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 20

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 905222020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Lung	Perivascular	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 31

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 32

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

Ovary

Cyst

Minimal

[Cyst TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 33

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 34

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Lymph Node, Mandibular

Lymph Node, Mediastinal

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 35

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Liver

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 36

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 37

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 38

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 39

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 40

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 1.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 51

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Mild

Perivascular

Inflammation

Minimal

[Hyperplasia TGLS = 2]

* Pancreas

Ectopic Tissue

Minimal

[Ectopic Tissue TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 52

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Minimal

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 53

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Minimal

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 54

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Liver

Hepatodiaphragmatic Nodule

Minimal

[Hepatodiaphragmatic Nodule TGLS = 1]

* Lung

Epithelium

Hyperplasia

Minimal

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 55

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

Lymph Node, Mediastinal

* Nose

OBSERVATIONS

* Liver

Hepatodiaphragmatic Nodule

Minimal

[Hepatodiaphragmatic Nodule TGLS = 2]

* Lung

Epithelium

Hyperplasia

Minimal

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 56

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Minimal

Perivascular

Inflammation

Mild

[Hyperplasia TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 57

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Minimal

Perivascular

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 58

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 59

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Nose

OBSERVATIONS

* Lung

Epithelium
Perivascular

Hyperplasia
Inflammation

Mild
Minimal

[Hyperplasia TGLS = 1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 60

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 2.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Lymph Node, Mandibular

Lymph Node, Mediastinal

* Nose

OBSERVATIONS

* Lung

Epithelium

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 71

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Moderate

Inflammation

Minimal

[Fibrosis TGLS = 1]

[Hyperplasia TGLS = 1]

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 72

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Moderate

Inflammation

Minimal

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 73

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

* Lymph Node, Mandibular

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Mild

Hyperplasia

Moderate

Inflammation

Minimal

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 74

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Moderate

Inflammation

Minimal

* Nose

Respirat Epith

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 75

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Moderate

Inflammation

Minimal

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 76

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Moderate

Inflammation

Minimal

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 77

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Moderate

Inflammation

Minimal

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 78

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Moderate

Inflammation

Minimal

[Fibrosis TGLS = 1]

[Hyperplasia TGLS = 1]

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 79

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

OBSERVATIONS

* Lung

Epithelium

Fibrosis

Minimal

Hyperplasia

Mild

Inflammation

Minimal

* Nose

Respirat Epith

Hyperplasia

Minimal

Respirat Epith

Metaplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 80

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 4.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Larynx

OBSERVATIONS

* Liver

[Hepatodiaphragmatic Nodule TGLS = 2]

Hepatodiaphragmatic Nodule

Minimal

* Lung

Epithelium

Fibrosis

Hyperplasia

Inflammation

Minimal

Moderate

Minimal

[Fibrosis TGLS = 1]

[Hyperplasia TGLS = 1]

* Nose

Respirat Epith

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 91

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mandibular
* Ovary
* Skin
* Trachea

* Adrenal Medulla
* Clitoral Gland
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mediastinal
* Pancreas
* Spleen
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large, Rectum
* Larynx
* Lymph Node, Mesenteric
* Pituitary Gland
* Thymus
* Uterus

* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Lymph Node, Bronchial
* Mammary Gland
* Salivary Glands
* Thyroid Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney
* Liver
* Lung

[Fibrosis TGLS = 1]
[Hyperplasia TGLS = 1]
[Inflammation TGLS = 1]

Bronchiole

Epithelium

Mineralization
Inflammation
Exudate
Fibrosis
Hyperplasia
Inflammation

Minimal
Minimal
Minimal
Moderate
Marked
Moderate

* Nose

Respirat Epith

Respirat Epith

Hyperplasia
Inflammation
Metaplasia

Mild
Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 92

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Mild
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 93

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
	[Fibrosis TGLS = 1]		
	[Hyperplasia TGLS = 1]		
	[Inflammation TGLS = 1]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 94

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

INSUFFICIENT TISSUE

* Larynx

OBSERVATIONS

* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 95

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mandibular
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Minimal
* Kidney		Inflammation	Minimal
		Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1]			
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
[Fibrosis TGLS = 2]			
[Hyperplasia TGLS = 2]			
[Inflammation TGLS = 2]			
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 96

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1]		
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
* Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 97

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatodiaphragmatic Nodule	Mild
	[Hepatodiaphragmatic Nodule TGLS = 4,3]		
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
	[Fibrosis TGLS = 2]		
	[Hyperplasia TGLS = 2]		
	[Inflammation TGLS = 2]		
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 99

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Urinary Bladder

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 100

TRT#: 11

SEX: Female

DAY ON TEST: 92

DOSE: 8.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Parathyroid Gland	* Urinary Bladder
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OBSERVATIONS

* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
	[Fibrosis TGLS = 1]		
	[Hyperplasia TGLS = 1]		
	[Inflammation TGLS = 1]		
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Metaplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 111

TRT#: 12

DOSE: 16.00 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: 905222111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Minimal
* Kidney		Mineralization	Minimal
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
			[Fibrosis TGLS = 3]
			[Hyperplasia TGLS = 3]
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Mild
	Respirat Epith	Metaplasia	Moderate
* Spleen		Depletion Lymphoid	Minimal
			[Depletion Lymphoid TGLS = 1]
* Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 91

DOSE: 16.00 MG/M3

DISP: Natural Death

HISTO: 905222112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Mammary Gland	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mediastinal	* Parathyroid Gland	* Pituitary Gland	* Thymus
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OBSERVATIONS

* Bone	Metaphysis	Atrophy	Minimal
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Marked
	Epithelium	Hyperplasia	Marked
		Inflammation	Mild
	Epithelium	Metaplasia	Squamous, Minimal
[Fibrosis TGLS = 3]			
[Hyperplasia TGLS = 3]			
* Lymph Node, Bronchial		Depletion Lymphoid	Mild
* Lymph Node, Mandibular		Depletion Lymphoid	Minimal
* Lymph Node, Mesenteric		Depletion Lymphoid	Mild
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Mild
	Respirat Epith	Metaplasia	Moderate
* Spleen		Depletion Lymphoid	Moderate
* Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 113

TRT#: 12

DOSE: 16.00 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: 905222113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Minimal
* Lung		Fibrosis	Marked
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
* Lymph Node, Mandibular		Depletion Lymphoid	Mild
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Moderate
* Spleen		Depletion Lymphoid	Minimal
		[Depletion Lymphoid TGLS = 3]	
* Thymus		Depletion Lymphoid	Mild
		[Depletion Lymphoid TGLS = 2]	
* Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/23/2014

Test Type: 90-DAY

Test Compound: Vanadium pentoxide

Time Report Requested: 02:29:47

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 1314-62-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: IIT

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 16.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Minimal
* Lung	Bronchiole	Exudate	Mild
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
[Exudate TGLS = 4]			
[Fibrosis TGLS = 4]			
[Hyperplasia TGLS = 4]			
* Lymph Node, Bronchial		Depletion Lymphoid	Mild
* Lymph Node, Mediastinal		Depletion Lymphoid	Moderate
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
	Respirat Epith	Metaplasia	Mild
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 5]			
* Thymus		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 2]			
* Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 115

TRT#: 12

DOSE: 16.00 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 62

HISTO: 905222115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Bone	Metaphysis	Atrophy	Mild
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Marked
	Epithelium	Hyperplasia	Marked
		Inflammation	Minimal
* Lymph Node, Bronchial		Depletion Lymphoid	Mild
* Lymph Node, Mesenteric		Depletion Lymphoid	Moderate
* Nose	Respirat Epith	Hyperplasia	Moderate
	Respirat Epith	Metaplasia	Moderate
* Spleen		Depletion Lymphoid	Marked
	[Depletion Lymphoid TGLS = 1]		
* Thymus		Depletion Lymphoid	Marked
	[Depletion Lymphoid TGLS = 2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 116

TRT#: 12

DOSE: 16.00 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: 905222116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Mild
* Kidney		Mineralization	Minimal
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
		Hemorrhage	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
[Fibrosis TGLS = 3]			
[Hemorrhage TGLS = 3]			
* Lymph Node, Mediastinal		Depletion Lymphoid	Mild
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Moderate
* Spleen		Depletion Lymphoid	Minimal
* Thymus		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 2]			
* Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 16.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Moderate
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Mild
[Fibrosis TGLS = 1]			
[Hyperplasia TGLS = 1]			
* Lymph Node, Bronchial		Depletion Lymphoid	Minimal
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Mild
	Respirat Epith	Metaplasia	Moderate
* Thymus		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 80

DOSE: 16.00 MG/M3

DISP: Moribund Sacrifice

HISTO: 905222118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Larynx	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Moderate
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
* Lymph Node, Mediastinal		Depletion Lymphoid	Minimal
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Moderate
* Spleen		Depletion Lymphoid	Marked
	[Depletion Lymphoid TGLS = 1]		
* Thymus		Depletion Lymphoid	Moderate
	[Depletion Lymphoid TGLS = 2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 16.00 MG/M3

DISP: Terminal Sacrifice

HISTO: 905222119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Liver	* Lymph Node, Bronchial
* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Mild
* Kidney		Mineralization	Minimal
* Lung		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
[Fibrosis TGLS = 3]			
[Hyperplasia TGLS = 3]			
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Minimal
	Respirat Epith	Metaplasia	Mild
* Spleen		Depletion Lymphoid	Minimal
* Thymus		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 2]			
* Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

ANIMAL ID: 120

TRT#: 12

DOSE: 16.00 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 92

HISTO: 905222120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Bone	Metaphysis	Atrophy	Moderate
* Kidney		Mineralization	Minimal
* Lung	Bronchiole	Exudate	Minimal
		Fibrosis	Moderate
	Epithelium	Hyperplasia	Moderate
		Inflammation	Minimal
[Fibrosis TGLS = 2]			
[Hyperplasia TGLS = 2]			
* Lymph Node, Bronchial		Depletion Lymphoid	Mild
* Lymph Node, Mandibular		Depletion Lymphoid	Mild
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Mild
	Respirat Epith	Metaplasia	Moderate
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 3]			
* Thymus		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 4]			
* Uterus		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 61427-03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Vanadium pentoxide

CAS Number: 1314-62-1

Date Report Requested: 10/23/2014

Time Report Requested: 02:29:47

First Dose M/F: NA / NA

Lab: IIT

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE