

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

C Number: C08991

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_796

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Zymbal gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_797

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Cataract Degeneration, Nos Hemorrhage Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver		Focal Cellular Change Hepatitis, Toxic Necrosis, Focal Neoplastic Nodule
Lung	Mesenteric Lymph Node	Inflammation, Chronic
Lymph node		Hyperplasia, Reticulum Cell
Prostate		Hyperplasia, Focal Inflammation, Chronic Focal
Skin	Ear	Squamous Cell Papilloma
Spleen		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_798

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma
Eye	Retina Cornea	Cataract Degeneration, Nos Inflammation, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Hepatocellular Carcinoma
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node Mediastinal Lymph Node Pancreatic Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell Lymphangiectasis Pigmentation, Nos
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos Cyst, Nos
Spleen		Fibrosis, Focal Hematopoiesis Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Axilla	Fibrosarcoma

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_799

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Mammary gland

Stomach

Testis

Unspecified

Retina

Myocardium Nos

Tubule

Multiple Organs Nos

Necrosis, Focal

Cataract

Degeneration, Nos

Inflammation, Chronic Focal

Inflammation, Chronic

Pigmentation, Nos

Hemorrhage

Hepatitis, Toxic

Necrosis, Focal

Pigmentation, Nos

Inflammation, Chronic

Hyperplasia, Diffuse

Acanthosis

Hyperkeratosis

Inflammation, Chronic Diffuse

Squamous Cell Papilloma

Ulcer, Perforated

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_800

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hemorrhage Hypoplasia, Nos
Esophagus		Hyperkeratosis
Liver		Degeneration, Cystic Fibrosis, Multifocal
	Bile Duct	Hyperplasia, Nos Pigmentation, Nos
Lung		C-Cell Carcinoma, Metastatic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Hemorrhage
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Pigmentation, Nos
Mammary gland		Hyperplasia, Diffuse
Spleen		Hemosiderosis
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_801

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Hyperplasia, Focal Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina Crystalline Lens	Degeneration, Nos Hemorrhage Rupture
Kidney		Inflammation, Chronic
Liver	Bile Duct Bile Duct	Hyperplasia, Nos Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_802

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone	Skull	Fibrous Osteodystrophy
Heart	Atrium	Thrombosis, Nos
Kidney	Cortex	Cyst, Nos
Liver		Degeneration, Nos Focal Cellular Change Hepatocellular Carcinoma
Lung	Alveoli	Hemorrhage Histiocytosis Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Preputial gland		Keratoacanthoma
Spleen		Hematopoiesis
Stomach	Muscularis Fundus	Degeneration, Nos Hyperplasia, Epithelial
Testis		Degeneration, Nos Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos Multiple Organs Nos	Inflammation, Chronic Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_803

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Eye	Retina	Degeneration, Nos Synechia, Posterior Vascularization
Heart	Vitreous Body	Inflammation, Chronic Diffuse
Kidney	Myocardium Nos	Inflammation, Chronic Focal Cellular Change
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic Metamorphosis, Fatty Necrosis, Focal Pigmentation, Nos Inflammation, Chronic
Lung		Hemorrhage
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Focal
Pancreas	Islets	Lipoidosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_804

TRT#: 1
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal Pheochromocytoma
Eye	Retina Cornea	Cataract Degeneration, Nos Inflammation, Chronic Focal Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos Inflammation, Chronic Degeneration, Nos Focal Cellular Change
Liver	Bile Duct	Hyperplasia, Nos Inflammation, Chronic
Lung	Mandibular Lymph Node	Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Lymphangiectasis
Mammary gland		Papillary Cystadenocarcinoma Nos
Pancreas		Atrophy, Focal
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Diffuse
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_805

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Small
Kidney
Liver

Mesentery Nos

Periarteritis
Inflammation, Chronic
Focal Cellular Change
Leukocytosis, Nos
Neoplastic Nodule

Lung

Hemorrhage
Inflammation, Chronic

Lymph node
Pancreas

Pancreatic Lymph Node

Hyperplasia, Reticulum Cell
Atrophy, Diffuse

Islets

Hyperplasia, Focal

Islets

Islet-Cell Adenoma

Islets

Islet-Cell Carcinoma

Pituitary gland

Angiectasis

Hyperplasia, Focal

Prostate

Pigmentation, Nos

Hyperplasia, Focal

Spleen

Inflammation, Chronic Focal

Hematopoiesis

Testis

Lymphoma, Histiocytic-Malignant Type

Unspecified

Interstitial-Cell Tumor

Flank

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_806

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Focal
Seminal vesicle		Hyperplasia, Diffuse
Skin	Back	Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:29

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_807

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Intestine Small	Duodenum	Necrosis, Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Skin	Nose	Acanthosis
Spleen		Hemosiderosis
		Lymphoma, Histiocytic-Malignant Type
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_808

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Hyperplasia, Focal Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Cataract Degeneration, Nos
Intestine Large	Colon	Parasitism
Liver		Angiectasis Degeneration, Nos Focal Cellular Change
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma Hyperplasia, Diffuse
Pancreas	Islets	Atrophy, Focal Islet-Cell Adenoma Periarteritis
Pituitary gland		Adenoma, Nos Angiectasis
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_809

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
Skin	Foot And Toe Nos	Acanthosis
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_810

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Esophagus		Hyperkeratosis
Eye	Retina	Degeneration, Nos
	Anterior Chamber	Empyema
		Hemorrhage
	Cornea	Inflammation, Necrotizing
	Crystalline Lens	Rupture
	Vitreous Body	Vascularization
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Oral mucosa		Squamous Cell Carcinoma
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Squamous Cell Carcinoma, Invasive
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_811

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_812

TRT#: 1

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Sternum	Fibrous Osteodystrophy
Eye		Cataract
	Retina	Degeneration, Nos
Intestine Large	Muscularis, Colon	Degeneration, Nos
Mammary gland		Hyperplasia, Diffuse
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Abscess, Nos
		Hyperplasia, Focal
Skin		Basal-Cell Tumor
	Nose	Squamous Cell Papilloma
Spleen		Hematopoiesis
		Hemosiderosis
Stomach	Muscularis	Degeneration, Nos
		Hyperplasia, Epithelial
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Mediastinum Nos	Ectopia
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_813

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Cataract Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos Focal Cellular Change Hepatitis, Toxic
Lymph node	Mediastinal Lymph Node Mandibular Lymph Node Mesenteric Lymph Node	Erythrophagocytosis Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell
Mammary gland		Adenoma, Nos
Pancreas	Islets	Acinar-Cell Adenoma Islet-Cell Adenoma Mixed Tumor, Benign
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_814

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
	Tubule	Pigmentation, Nos
Liver		Tubular-Cell Adenocarcinoma
		Granuloma, Nos
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Ileocolic Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
		Ectopia
Spleen		Fibrosis, Focal
		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Flank	Fibroma
	Multiple Organs Nos	Inflammation, Chronic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_815

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
	Atrium	Thrombosis, Nos
Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Atrophy, Nos
	Mediastinal Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Galactocele
Pancreas		Inflammation, Chronic Focal
Pituitary gland		Angiectasis
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_816

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Inflammation, Chronic
Liver		Hemorrhage
		Hepatitis, Toxic
		Necrosis, Focal
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Chronic
Mammary gland		Hyperplasia, Diffuse
Spleen		Fibrosis, Focal
Stomach		Mineralization
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_817

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Inflammation, Interstitial
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Lymphangiectasis
Skin	Head	Inflammation, Chronic Focal
Testis		Abscess, Nos
		Hyperplasia, Interstitial Cell
Unspecified		Interstitial-Cell Tumor
		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_818

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Skin	Scrotum	Acanthosis
Stomach		Acanthosis
		Edema, Nos
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_819

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebrum	Astrocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Pancreatic Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Lymphangiectasis
Pancreas		Acinar-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Hemosiderosis
	Mediastinum Nos	Inflammation, Chronic
	Mediastinum Nos	Thrombosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_820

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
Lung		Inflammation, Chronic
		Squamous Cell Carcinoma, Metastatic
Lymph node	Mandibular Lymph Node	Hyperplasia, Nos
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urinary bladder		Transitional-Cell Carcinoma
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_821

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Congestion, Nos

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Pancreas

Atrophy, Focal

Spleen

Hematopoiesis

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Unspecified

Leg

C-Cell Carcinoma

Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_822

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Preputial gland		Squamous Cell Carcinoma
Skin	Back	Cyst, Epidermal Inclusion
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_823

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma, Malignant
Heart	Myocardium Nos	Inflammation, Chronic Focal
	Atrium	Thrombosis, Nos
Intestine Small	Mesentery Nos	Inflammation, Acute Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Necrosis, Focal
Lung	Alveoli	Edema, Nos
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Congestion, Nos
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Squamous Cell Carcinoma
Prostate		Hyperplasia, Focal
Spleen		Fibrosis, Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_824

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Esophagus		Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
	Pericardium Nos	Osteosarcoma, Metastatic
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Osteosarcoma, Metastatic
Spleen	Follicles	Atrophy, Nos
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_825

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Lymph node

Stomach

Testis

Unspecified

Tubule

Mediastinal Lymph Node

Tunica Vaginalis

Multiple Organs Nos

Mediastinum Nos

Pheochromocytoma

Inflammation, Chronic

Pigmentation, Nos

Mesothelioma, Metastatic

Inflammation, Chronic Diffuse

Necrosis, Focal

Interstitial-Cell Tumor

Mesothelioma, Malignant

Mesothelioma, Invasive

Mesothelioma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_826

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_827

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Hyperplasia, Tubular Cell Inflammation, Chronic
Liver		Focal Cellular Change Hepatitis, Toxic Neoplastic Nodule
Lung		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Focal Mixed Tumor, Benign
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_828

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Mammary gland

Prostate

Spleen

Testis

Unspecified

Urethra

Urinary bladder

Zymbal gland

Myocardium Nos

Cortex

Bile Duct

Bile Duct

Mesenteric Lymph Node

Back

Pheochromocytoma

Inflammation, Chronic Diffuse

Cyst, Nos

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Pigmentation, Nos

Inflammation, Chronic

Hyperplasia, Lymphoid

Fibroadenoma

Hyperplasia, Diffuse

Abscess, Nos

Inflammation, Chronic Diffuse

Fibrosis, Diffuse

Hematopoiesis

Hemosiderosis

Interstitial-Cell Tumor

Fibroma

Neurofibroma

Inflammation, Acute Focal

Hyperplasia, Epithelial

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_829

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic

Liver
Lung

Tubule

Pigmentation, Nos
Metamorphosis, Fatty
Hyperplasia, Alveolar Epithelium
Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Hemorrhage
Hyperplasia, Reticulum Cell
Pigmentation, Nos

Mammary gland

Pituitary gland

Prostate

Spleen

Stomach

Mediastinal Lymph Node

Cystic Ducts
Adenoma, Nos
Inflammation, Chronic Focal
Hemosiderosis
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Ulcer, Perforated

Testis

Degeneration, Nos
Interstitial-Cell Tumor
Periarteritis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_830

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Hemorrhage
Kidney		Inflammation, Chronic
		Mineralization
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Skin	Back	Keratoacanthoma
	Back	Squamous Cell Papilloma
Spleen		Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_831

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Congestion, Nos
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Prostate		Abscess, Nos
Stomach		Acanthosis
		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_832

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
Lung		Pneumonia, Aspiration
Lymph node	Mediastinal Lymph Node	Congestion, Nos
Stomach		Acanthosis
		Inflammation, Acute Focal
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_833

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Prostate		Hyperplasia, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_834

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Esophagus
Intestine Small
Kidney

Medulla

Mesentery Nos
Cortex

Liver

Bile Duct

Lung
Lymph node
Testis

Mediastinal Lymph Node

Hyperplasia, Focal
Hyperkeratosis
Lipoma
Cyst, Nos
Inflammation, Chronic
Hyperplasia, Nos
Necrosis, Focal
Inflammation, Chronic
Pigmentation, Nos
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_835

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone	Skull	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Hematoma, Organized
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hemorrhage
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
Lung		Inflammation, Chronic
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Carcinoma
Unspecified	Flank	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_836

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
Pharynx		Squamous Cell Carcinoma, Invasive
Spleen		Hemosiderosis
Stomach		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Head	Abscess, Nos
		Squamous Cell Carcinoma, Invasive
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_837

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Pigmentation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_838

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
		Squamous Cell Carcinoma
Lymph node	Pancreatic Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Stomach		Mineralization
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_839

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Congestion, Nos
		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_840

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos Pheochromocytoma Thrombosis, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos Cardiac Valve	Inflammation, Chronic Diffuse Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Necrosis, Focal Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Atrophy, Focal Mixed Tumor, Benign
Prostate		Hyperplasia, Focal
Skin	Neck	Cyst, Epidermal Inclusion
Spleen		Hematopoiesis
Stomach		Acanthosis Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_841

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Sternum	Exostosis
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_842

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Hemorrhage
		Inflammation, Chronic
		Inflammation, Interstitial
Preputial gland		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_843

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
		Necrosis, Focal
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Seminal vesicle		Cyst, Nos
		Inflammation, Chronic Diffuse
Skin	Tail	Basal-Cell Carcinoma
	Neck	Trichoepithelioma
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_844

TRT#: 1

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Fibrosis
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Inflammation, Chronic
		Leukocytosis, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Inflammation, Chronic Focal
Skin		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_845

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Pituitary gland		Carcinoma, Nos
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_846

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pituitary gland

Prostate

Testis

Unspecified

Myocardium Nos

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Degeneration, Nos

Inflammation, Chronic

Hyperplasia, Focal

Hyperplasia, Focal

Inflammation, Chronic Focal

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_847

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Hyperplasia, Focal Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma, Malignant
Kidney	Cortex	Cyst, Nos
Liver		Granuloma, Nos
Lung		Pheochromocytoma, Metastatic Squamous Cell Carcinoma, Metastatic
Lymph node	Mandibular Lymph Node Mediastinal Lymph Node Mesenteric Lymph Node Mediastinal Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos
Spleen		Hematopoiesis
Stomach		Acanthosis Hyperkeratosis Mineralization
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell Inflammation, Chronic
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_848

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Fibrosarcoma
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Fibrosis, Focal
		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
Oral mucosa		Squamous Cell Papilloma
Pituitary gland		Adenoma, Nos
Preputial gland		Cystic Ducts
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thymus		Cystic Ducts
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Fibrosarcoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_849

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Prostate

Stomach

Testis

Thyroid

Unspecified

Myocardium Nos

Tubule

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Pigmentation, Nos

Hepatitis, Toxic

Inflammation, Chronic

Inflammation, Chronic Focal

Hyperkeratosis

Inflammation, Chronic Diffuse

Necrosis, Focal

Interstitial-Cell Tumor

C-Cell Adenoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_850

TRT#: 1

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Lung		Hemorrhage
		Inflammation, Chronic
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_851

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
	Crystalline Lens	Rupture
Kidney	Cortex	Cyst, Nos
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Acinar-Cell Adenoma
	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Hyperplasia, Focal
Skin	Tail	Acanthosis
	Tail	Hyperkeratosis
Spleen		Hematopoiesis
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
		Periarteritis
Thyroid		C-Cell Carcinoma
		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_852

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Testis

Mediastinal Lymph Node

Pigmentation, Nos

Unspecified

Flank

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Neurofibroma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_853

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal Pheochromocytoma
Bone	Sternum	Fibrous Osteodystrophy
Brain	Medulla Oblongata Nos Cerebrum	Necrosis, Focal Thrombosis, Nos
Kidney		Mineralization
Liver		Focal Cellular Change Necrosis, Focal Neoplastic Nodule
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Angiectasis Hyperplasia, Focal
Prostate		Hyperplasia, Focal
Spleen		Fibrosis, Focal
Stomach	Fundus	Hyperplasia, Diffuse Mineralization
Testis		Infarct, Nos Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos Multiple Organs Nos Abdominal Cavity	Inflammation, Chronic Leukemia, Monocytic Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_854

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Squamous Cell Carcinoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_855

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node		Hemorrhage
	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Pigmentation, Nos
	Mediastinal Lymph Node	Cystic Ducts
Mammary gland		Adenoma, Nos
Pituitary gland		Inflammation, Chronic Focal
Prostate		Degeneration, Nos
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_856

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
		Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Cystic Ducts
		Fibroadenoma
Pancreas		Atrophy, Focal
		Ectopia
Pituitary gland		Hemorrhage
		Inflammation, Acute
		Necrosis, Nos
Prostate		Inflammation, Chronic Focal
Skin	Head	Basal-Cell Carcinoma
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_857

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Blood vessel	Mesenteric Artery Nos	Mineralization
Heart	Myocardium Nos	Mineralization
Intestine Large	Transverse Colon, Colon	Adenomatous Polyp, Nos
Kidney		Mineralization
Lung		Congestion, Nos
		Hemorrhage
Mammary gland		Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Seminal vesicle		Hyperplasia, Diffuse
Skin	Axilla	Acanthosis
	Axilla	Hyperkeratosis
Spleen	Follicles	Atrophy, Nos
		Hemosiderosis
Stomach		Acanthosis
	Muscularis	Degeneration, Nos
		Hyperkeratosis
		Mineralization
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Urinary bladder		Hemorrhage
		Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_858

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Leukocytosis, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Ileocolic Lymph Node	Lymphangiectasis
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Abdominal Cavity	Necrosis, Fat
Zymbal gland		Acanthosis
		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_859

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Phthisis Bulbi
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_860

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone marrow

Heart

Kidney

Liver

Lung

Lymph node

Spleen

Stomach

Testis

Zymbal gland

Myocardium Nos

Cortex

Mesenteric Lymph Node

Mediastinal Lymph Node

Pheochromocytoma

Hypoplasia, Nos

Inflammation, Chronic Focal

Cyst, Nos

Inflammation, Chronic

Focal Cellular Change

Metamorphosis, Fatty

Inflammation, Chronic

Lymphangiectasis

Pigmentation, Nos

Hemosiderosis

Necrosis, Focal

Interstitial-Cell Tumor

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_861

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Neoplastic Nodule

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Prostate

Inflammation, Chronic Focal

Testis

Degeneration, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor
Fibrous Histiocytoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_862

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
Liver	Bile Duct	Fibrosis
		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Congestion, Nos
	Mediastinal Lymph Node	Hemorrhage
Spleen		Hemosiderosis
Stomach		Mineralization
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_863

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Skin	Chest	Cyst, Epidermal Inclusion
Spleen		Fibrosis, Diffuse
		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_864

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Intestine Large	Cecum, Colon	Hemorrhage
	Cecum, Colon	Inflammation, Acute Focal
	Cecum, Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Skin	Groin	Abscess, Nos
		Hyperplasia, Basal Cell
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_865

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis Cyst, Hemorrhagic
Bone	Skull	Fibrosarcoma, Invasive Hyperkeratosis
Esophagus		
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos Neoplastic Nodule
Lung		Inflammation, Chronic Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pancreas	Islets	Islet-Cell Carcinoma
Salivary gland		Fibrosarcoma
Skeletal muscle	Neck	Fibrosarcoma, Invasive
Stomach		Hemorrhage
Testis		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_866

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Carcinoma, Nos, Invasive
	Cerebrum	Carcinoma, Nos, Invasive
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Focal Cellular Change
		Inflammation, Chronic
		Metamorphosis, Fatty
Lung		Follicular-Cell Carcinoma, Metastatic
	Alveoli	Histiocytosis
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Diffuse
	Islets	Islet-Cell Adenoma
Pituitary gland		Carcinoma, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Trachea		Follicular-Cell Carcinoma, Invasive
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_867

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lung

Mammary gland

Preputial gland

Prostate

Spleen

Testis

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Inflammation, Chronic

Fibroadenoma

Cystic Ducts

Squamous Cell Carcinoma

Inflammation, Chronic Focal

Hematopoiesis

Hemosiderosis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_868

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Cystic Ducts
Preputial gland		Carcinoma, Nos
Testis		Granuloma, Spermatic
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_869

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Metamorphosis, Fatty
Testis		Inflammation, Chronic
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Back	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_870

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebellum Nos	Hemorrhage
Eye	Retina	Degeneration, Nos
	Anterior Chamber	Empyema
		Hemorrhage
	Cornea	Inflammation, Necrotizing
Kidney	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Degeneration, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Oral mucosa		Squamous Cell Carcinoma
Seminal vesicle		Cyst, Nos
Spleen		Hematopoiesis
Stomach		Acanthosis
		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_871

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Angiectasis
Intestine Large	Colon	Carcinoma, Nos, Invasive
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hematopoiesis
	Bile Duct	Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Lymph node	Renal Lymph Node	Carcinoma, Nos, Metastatic
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Duct Nos	Carcinoma, Nos
Spleen		Hematopoiesis
Stomach		Acanthosis
		Hyperkeratosis
Testis		Hyperplasia, Epithelial
		Carcinoma, Nos, Metastatic
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_872

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_873

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney

Medulla
Myocardium Nos
Colon

Hyperplasia, Focal
Inflammation, Chronic Focal
Parasitism
Infarct, Nos
Inflammation, Chronic

Liver
Lung
Lymph node
Spleen
Testis

Tubule
Bile Duct
Mediastinal Lymph Node

Pigmentation, Nos
Inflammation, Chronic
Inflammation, Chronic
Pigmentation, Nos
Hematopoiesis
Interstitial-Cell Tumor

Unspecified

Tunica Vaginalis
Multiple Organs Nos

Mesothelioma, Malignant
Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_874

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Ductus deferens	Muscularis	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Metamorphosis, Fatty Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Periarteritis
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma
	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_875

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_876

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Hyperplasia, Focal
Prostate		Hyperplasia, Focal
Testis		Inflammation, Chronic Focal
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_877

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Nos
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Hyperplasia, Interstitial Cell
	Tunica Vaginalis	Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Mesothelioma, Malignant
		Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_878

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Degeneration, Nos Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Blood vessel	Mesenteric Artery Nos	Mineralization
Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos Focal Cellular Change
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Skin	Hip	Basal-Cell Carcinoma
Spleen		Hematopoiesis
Stomach	Fundus	Hyperplasia, Diffuse Mineralization
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_879

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Congestion, Nos
		Inflammation, Chronic
		Lipoma
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic
Parathyroid gland		Adenoma, Nos
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_880	TRT#: 1 DOSE: 0	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: HISTO:
OBSERVATIONS			
Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma	
Bone	Rib Skull Rib	Fibrous Osteodystrophy Fibrous Osteodystrophy Osteosarcoma	
Kidney	Cortex	Cyst, Nos Mineralization	
Liver		Focal Cellular Change Granuloma, Nos Hyperplasia, Nos	
Lung	Bile Duct	Hemorrhage Hyperplasia, Alveolar Epithelium	
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis	
Pancreas		Atrophy, Focal	
Parathyroid gland		Hyperplasia, Nos	
Spleen	Capsule	Cyst, Nos Fibrosis, Focal Hematopoiesis	
Stomach	Muscularis	Degeneration, Nos Mineralization	
Testis		Interstitial-Cell Tumor	
Thyroid		Hyperplasia, C Cell	
Unspecified	Multiple Organs Nos	Inflammation, Chronic	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_881

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Gliosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Spinal cord		Gliosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_882

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal Pheochromocytoma
Kidney	Cortex	Cyst, Multiple Inflammation, Chronic
Liver		Degeneration, Nos Focal Cellular Change
Lung		Inflammation, Chronic Inflammation, Chronic Focal
Lymph node	Mediastinal Lymph Node Mesenteric Lymph Node	Hyperplasia, Reticulum Cell Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Inflammation, Chronic
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Diffuse
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_883

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Inflammation, Chronic Focal
Kidney	Cortex Nos Tubule	Metamorphosis, Fatty Inflammation, Chronic Pigmentation, Nos
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node Pancreatic Lymph Node	Hyperplasia, Reticulum Cell Pigmentation, Nos
Mammary gland		Adenocarcinoma, Nos Hyperplasia, Diffuse
Pituitary gland		Adenoma, Nos Angiectasis
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos Abdominal Cavity	Leukemia, Monocytic Necrosis, Fat
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_884

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma Thrombosis, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung	Alveoli	Histiocytosis Inflammation, Acute Focal Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Lymphangiectasis
Pancreas		Atrophy, Focal
Pituitary gland		Angiectasis
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_885

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Liver		Focal Cellular Change
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
		Hyperplasia, Diffuse
Pancreas		Ectopia
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	Multiple Organs Nos	Inflammation, Acute
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hyperplasia, Papillary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_886

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
		Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
		Synechia, Posterior
Intestine Small	Mesentery Nos	Periarteritis
Kidney	Cortex	Cyst, Nos
Liver		Focal Cellular Change
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Pancreas		Atrophy, Focal
	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Squamous Cell Carcinoma
Stomach		Acanthosis
		Necrosis, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Abdomen	Fibroma
	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_887

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Skin	Axilla	Keratoacanthoma
Spleen		Fibrosis, Focal
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Ulcer, Perforated
Thyroid		Interstitial-Cell Tumor
		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_888

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
	Crystalline Lens	Rupture
		Synechia, Posterior
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Mineralization
Liver		Hepatitis, Toxic
		Pigmentation, Nos
Lung		Hemorrhage
		Inflammation, Interstitial
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Preputial gland		Abscess, Nos
		Hyperkeratosis
Skin	Neck	Keratoacanthoma
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_889	TRT#: 1	SEX: Male	DAY ON TEST:
	DOSE: 0	DISP: Terminal Sacrifice	HISTO:
<hr/>			
OBSERVATIONS			
Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma, Malignant	
Bone marrow		Hyperplasia, Nos	
Eye		Cataract	
	Retina	Degeneration, Nos	
Heart	Myocardium Nos	Inflammation, Chronic Diffuse	
Kidney		Inflammation, Chronic	
Liver		Degeneration, Nos Focal Cellular Change	
	Bile Duct	Hyperplasia, Nos	
	Bile Duct	Inflammation, Chronic Necrosis, Focal	
Lung		Inflammation, Chronic Pheochromocytoma, Metastatic	
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid	
Mammary gland		Fibroadenoma	
Pancreas		Atrophy, Focal	
Pituitary gland		Hyperplasia, Focal	
Prostate		Inflammation, Chronic Focal	
Skin	Lip Nos	Basal-Cell Tumor	
	Back	Keratoacanthoma	
Testis		Interstitial-Cell Tumor	
Unspecified	Multiple Organs Nos	Leukemia, Monocytic	
	Abdominal Cavity	Pheochromocytoma, Invasive	
<hr/>			
PRIMARY CAUSE OF DEATH	-		
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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_890

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel	Mesenteric Artery Nos	Mineralization
Eye	Retina	Cataract
		Degeneration, Nos
		Hemorrhage
		Inflammation, Chronic Diffuse
Heart	Crystalline Lens	Rupture
	Myocardium Nos	Inflammation, Chronic Diffuse
		Mesothelioma, Invasive
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
		Mesothelioma, Metastatic
Lymph node	Mediastinal Lymph Node	Mesothelioma, Metastatic
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Mesothelioma, Malignant
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_891

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Congestion, Nos
	Mediastinal Lymph Node	Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_892

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Retina

Heart

Myocardium Nos

Atrium

Kidney

Liver

Lung

Pancreas

Testis

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Cataract

Degeneration, Nos

Synechia, Posterior

Inflammation, Chronic Focal

Thrombosis, Nos

Inflammation, Chronic

Hepatitis, Toxic

Inflammation, Chronic

Atrophy, Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_893

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Brain
Kidney

Medulla
Cerebrum

Hyperplasia, Focal
Glioma, Nos
Congestion, Nos
Inflammation, Chronic
Mineralization

Liver

Bile Duct

Granuloma, Nos
Inflammation, Chronic
Congestion, Nos
Inflammation, Chronic

Lung

Prostate
Stomach

Inflammation, Chronic Focal
Acanthosis
Hyperkeratosis

Testis

Inflammation, Chronic Diffuse
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
Acanthosis

Tongue

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_894

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Blood vessel	Aorta Nos	Mineralization
	Mesenteric Artery Nos	Mineralization
Bone	Temporal Bone	Fibrous Osteodystrophy
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
	Myocardium Nos	Mineralization
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Seminal vesicle		Hyperplasia, Epithelial
Spleen		Hemangiosarcoma
Stomach	Fundus	Hyperplasia, Epithelial
		Mineralization
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_895

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Cataract
	Cornea	Degeneration, Nos
Intestine Large	Mesentery Nos, Colon	Hemorrhage
Kidney	Cortex	Inflammation, Chronic Focal
		Inflammation, Acute Diffuse
		Cyst, Nos
		Mineralization
Liver		Focal Cellular Change
		Neoplastic Nodule
Lymph node	Mesenteric Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas		Atrophy, Diffuse
Prostate		Abscess, Nos
Seminal vesicle		Cyst, Nos
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Mesothelioma, Invasive
Urinary bladder		Hemorrhage
		Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_896

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Ileocolic Lymph Node	Lymphangiectasis
Mammary gland		Adenocarcinoma, Nos Fibroadenoma
Prostate		Leiomyosarcoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Groin	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_897

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
		Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
Kidney		Cyst, Nos
Liver	Cortex	Focal Cellular Change
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Pancreatic Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Spleen		Hematopoiesis
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_898

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart		Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_899

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Astrocytoma
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Diffuse
	Crystalline Lens	Rupture
	Vitreous Body	Vascularization
Intestine Large	Mesentery Nos, Colon	Inflammation, Acute Diffuse
Liver		Angiectasis
		Degeneration, Nos
		Focal Cellular Change
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Ileocolic Lymph Node	Fibrosis
	Mesenteric Lymph Node	Lymphangiectasis
Prostate		Abscess, Nos
Spleen		Hemosiderosis
Stomach	Muscularis	Degeneration, Nos
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hemorrhage
	Multiple Organs Nos	Hyperplasia, Nos
	Multiple Organs Nos	Inflammation, Chronic
Urinary bladder	Submucosa	Fibrosis, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_900

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone	Vertebra	Fibroma
	Sternum	Fibrosis
Eye		Phthisis Bulbi
Kidney	Cortex	Cyst, Nos
Liver		Focal Cellular Change
Lung		Hemorrhage
Lymph node	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen	Follicles	Atrophy, Focal
		Fibrosis, Diffuse
		Hemangioma
Stomach	Muscularis	Degeneration, Nos
		Hemorrhage
	Fundus	Hyperplasia, Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Mineralization
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_901

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
		Synechia, Posterior
Heart	Myocardium Nos	Fibrosis, Focal
Intestine Large	Descending, Colon	Abscess, Nos
Intestine Small	Jejunum	Abscess, Nos
Liver		Hepatocellular Carcinoma
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Pancreas		Acinar-Cell Adenoma
		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Skin		Cyst, Epidermal Inclusion
		Keratoacanthoma
Spleen		Fibrosis, Focal
Stomach		Acanthosis
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Flank	Fibroma
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_902

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Hemorrhage
Pheochromocytoma

Eye

Thrombosis, Nos
Cataract

Retina

Degeneration, Nos

Intestine Large

Colon

Parasitism

Kidney

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Lung

Metamorphosis, Fatty

Inflammation, Acute Focal

Lymph node

Mediastinal Lymph Node

Inflammation, Interstitial

Mandibular Lymph Node

Erythrophagocytosis

Mediastinal Lymph Node

Hyperplasia, Lymphoid

Mediastinal Lymph Node

Hyperplasia, Lymphoid

Spleen

Pigmentation, Nos

Stomach

Hematopoiesis

Testis

Squamous Cell Papilloma

Tunica Vaginalis

Interstitial-Cell Tumor

Thyroid

Mesothelioma, Malignant

Unspecified

Cystic Follicles

Multiple Organs Nos

Inflammation, Chronic

Multiple Organs Nos

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_903

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Esophagus		Hyperkeratosis
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos Inflammation, Chronic
Lung		Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Fibroadenoma
Mammary gland		Adenoma, Nos
Pituitary gland		Inflammation, Chronic Focal
Prostate		Acanthosis
Stomach		Inflammation, Chronic Diffuse Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_904

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos	Angiectasis Metamorphosis, Fatty Pheochromocytoma
Kidney	Cortex	Cyst, Multiple
Liver		Degeneration, Nos Focal Cellular Change
Lymph node	Bile Duct Mesenteric Lymph Node Mediastinal Lymph Node	Hyperplasia, Nos Hemangiosarcoma Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Diffuse
Parathyroid gland		Hyperplasia, Focal
Pituitary gland		Hyperplasia, Nos Adenoma, Nos Angiectasis Cyst, Nos
Skin	Chest	Basal-Cell Carcinoma
Spleen		Fibrosis, Diffuse Hematopoiesis
Testis		Interstitial-Cell Tumor
Thymus		Hyperplasia, Epithelial
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_905

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Ileocolic Lymph Node	Lymphangiectasis
Peritoneum		Liposarcoma
Pituitary gland		Angiectasis
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_906

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye		Cataract
	Retina	Degeneration, Nos
	Anterior Chamber	Empyema
	Cornea	Inflammation, Chronic Diffuse
Lung		Congestion, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Angiectasis
Skin	Back	Keratoacanthoma
Spleen		Hematopoiesis
Stomach	Fundus	Hyperplasia, Diffuse Mineralization Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thymus		Squamous Cell Carcinoma, Metastatic
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Groin	Myxosarcoma
	Mediastinum Nos	Squamous Cell Carcinoma, Metastatic
Urinary bladder		Hyperplasia, Papillary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_907

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Retina	Degeneration, Nos
	Anterior Chamber	Empyema
	Cornea	Inflammation, Chronic Focal
Heart	Atrium	Thrombosis, Nos
Kidney	Cortex	Cyst, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
Lymph node	Mediastinal Lymph Node	Atrophy, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Spleen		Fibrosis, Focal Hematopoiesis
Stomach	Muscularis	Degeneration, Nos
	Fundus	Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thymus		Hyperplasia, Epithelial
Thyroid		Hyperplasia, C Cell
Unspecified	Mediastinum Nos	Ectopia
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_908

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Intestine Small	Duodenum	Necrosis, Focal
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pancreas		Atrophy, Diffuse
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_909

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Esophagus

Medulla

Hyperplasia, Focal
Acanthosis
Inflammation, Chronic Diffuse
Necrosis, Focal

Heart
Kidney

Myocardium Nos

Inflammation, Chronic Diffuse
Inflammation, Chronic

Lung
Spleen
Stomach

Tubule

Pigmentation, Nos
Inflammation, Chronic
Hematopoiesis
Acanthosis

Testis
Thyroid
Unspecified

Multiple Organs Nos

Inflammation, Chronic Focal
Hyperplasia, Interstitial Cell
Hyperplasia, C Cell
Lymphoma, Lymphocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_910

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Osteopetrosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Lymphangiectasis
Pancreas		Atrophy, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_911

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pituitary gland		Angiectasis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Groin	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_912

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Testis

Thyroid

Unspecified

Myocardium Nos

Back

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Granuloma, Nos

Inflammation, Chronic

Atrophy, Focal

Interstitial-Cell Tumor

C-Cell Carcinoma

Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_913

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
	Bile Duct	Necrosis, Focal
	Bile Duct	Pigmentation, Nos
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Skin	Groin	Cyst, Epidermal Inclusion
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Cataract Degeneration, Nos Hemorrhage Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Preputial gland		Squamous Cell Carcinoma
Prostate		Abscess, Nos Inflammation, Chronic Focal
Skin	Nose	Squamous Cell Papilloma
Spleen	Follicles	Atrophy, Nos Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_034

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Eye	Retina	Cataract Degeneration, Nos Hemorrhage
Heart	Cornea	Inflammation, Chronic Diffuse
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse
Liver		Inflammation, Chronic
Lung		Necrosis, Focal
Pancreas		Inflammation, Chronic
Prostate		Atrophy, Focal
		Abscess, Nos
		Inflammation, Chronic Diffuse
Seminal vesicle		Cyst, Nos
		Hyperplasia, Epithelial
Spleen		Amyloidosis
		Fibrosis, Diffuse
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Urinary bladder		Hyperplasia, Papillary
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lung

Pituitary gland

Testis

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Inflammation, Chronic

Adenoma, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Esophagus		Necrosis, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Inflammation, Chronic Focal
	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Skin		Basal-Cell Carcinoma
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Jejunum	Mucinous Cystadenocarcinoma
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Dilatation, Nos
		Inflammation, Acute Diffuse
		Metamorphosis, Fatty
		Necrosis, Diffuse
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
	Muscularis	Necrosis, Diffuse
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal Pheochromocytoma, Malignant
Eye	Retina	Cataract Degeneration, Nos Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty
Lung		Inflammation, Chronic Pheochromocytoma, Metastatic
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal
Stomach		Acanthosis Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Chest	Fibroma
Zymbal gland		Cystic Ducts Keratoacanthoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lung

Lymph node

Peritoneum

Spleen

Testis

Zymbal gland

Cardiac Valve

Myocardium Nos

Tubule

Mesenteric Lymph Node

Infarct, Nos

Inflammation, Chronic

Inflammation, Chronic Diffuse

Inflammation, Chronic

Pigmentation, Nos

Inflammation, Chronic

Liposarcoma, Metastatic

Hyperplasia, Reticulum Cell

Liposarcoma

Hematopoiesis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Fibrosis, Diffuse
	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
		Synechia, Posterior
Kidney		Hyperplasia, Tubular Cell
		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos Pheochromocytoma
Eye	Retina	Cataract Degeneration, Nos Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Periarteritis
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Carcinoma
Prostate		Inflammation, Chronic Diffuse
Skin		Abscess, Nos
	Back	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Parathyroid gland		Hyperplasia, Nos
Skin	Back	Keratoacanthoma
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Carcinoma
Unspecified	Axilla	Hemorrhage
	Multiple Organs Nos	Leukemia, Myelomonocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Tubular-Cell Adenocarcinoma
Liver		Necrosis, Focal
Lung		Inflammation, Chronic Thrombosis, Nos
Lymph node	Mandibular Lymph Node	Abscess, Nos
Preputial gland	Mediastinal Lymph Node	Congestion, Nos Cystic Ducts Squamous Cell Carcinoma
Stomach		Acanthosis Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thymus		Congestion, Nos
Unspecified	Axilla	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Mineralization

Lung

Inflammation, Chronic

Mammary gland

Cystic Ducts

Pancreas

Atrophy, Focal

Prostate

Hemorrhage

Inflammation, Acute Diffuse

Seminal vesicle

Cyst, Nos

Spleen

Pigmentation, Nos

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Urinary bladder

Hemorrhage

Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Adenoma
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
	Crystalline Lens	Rupture
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Hyperplasia, Tubular Cell
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Acinar-Cell Adenoma
Prostate		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye		Phthisis Bulbi
Kidney		Nephrosis, Hydro
Liver		Degeneration, Nos
	Bile Duct	Fibrosis
Lung		Thrombosis, Nos
Pancreas		Acinar-Cell Adenoma
Preputial gland		Abscess, Nos
		Cyst, Nos
Prostate		Cyst, Nos
Seminal vesicle		Cyst, Nos
Skin	Lower Leg	Keratoacanthoma
Spleen		Fibrosis, Diffuse
Stomach		Acanthosis
		Inflammation, Acute Focal
		Mineralization
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Hyperplasia, Nos
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hemorrhage
		Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Mandible	Squamous Cell Carcinoma, Invasive
Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Oral mucosa		Squamous Cell Carcinoma
Skin	Ear	Hyperkeratosis
Spleen		Hemosiderosis
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Abscess, Nos
		Squamous Cell Carcinoma, Invasive
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
		Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
		Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Hyperplasia, Tubular Cell
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Axilla	Myxosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Eye

Retina

Degeneration, Nos

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Mammary gland

Cystic Ducts

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Spleen

Hematopoiesis

Stomach

Inflammation, Chronic Focal

Testis

Necrosis, Focal

Hyperplasia, Interstitial Cell

Unspecified

Flank

Interstitial-Cell Tumor

Multiple Organs Nos

Fibroma

Fibrous Histiocytoma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_051

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal
		Pigmentation, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Groin	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_052

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic
Mineralization

Lung

Inflammation, Chronic

Spleen

Necrosis, Focal

Testis

Degeneration, Nos

Unspecified

Multiple Organs Nos

Hyperplasia, Interstitial Cell

Zymbal gland

Interstitial-Cell Tumor

Leukemia, Monocytic

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_053

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
		Metaplasia, Osseous
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_054

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Esophagus

Hyperplasia, Focal

Heart

Hyperkeratosis

Kidney

Myocardium Nos

Inflammation, Chronic Focal

Liver

Inflammation, Chronic

Lung

Focal Cellular Change

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Spleen

Hyperplasia, Reticulum Cell

Testis

Hyperplasia, Nodular

Thyroid

Interstitial-Cell Tumor

Unspecified

Hyperplasia, C Cell

Zymbal gland

Abscess, Nos

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_055

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma, Malignant
Eye	Retina	Degeneration, Nos
Liver		Angiectasis
		Degeneration, Cystic
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung		Pheochromocytoma, Metastatic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Mixed Tumor, Benign
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Salivary gland		Sarcoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Sarcoma, Nos, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_056

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Bone marrow

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Pheochromocytoma

Hyperplasia, Nos

Inflammation, Chronic Diffuse

Inflammation, Chronic

Inflammation, Chronic

Metamorphosis, Fatty

Pigmentation, Nos

Inflammation, Chronic

Interstitial-Cell Tumor

C-Cell Adenoma

Lung

Testis

Thyroid

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_057

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Intestine Large	Colon	Parasitism
Liver		Hepatocellular Carcinoma
Mammary gland		Hyperplasia, Diffuse
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos Hyperkeratosis Metaplasia, Squamous
Seminal vesicle		Abscess, Nos Hyperplasia, Diffuse
Spleen	Follicles	Atrophy, Nos Fibrosis, Diffuse Hemangiosarcoma Hemosiderosis
Stomach		Acanthosis Necrosis, Focal
Testis		Degeneration, Nos Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_058

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Pigmentation, Nos
Lung		C-Cell Carcinoma, Metastatic
		Fibrosarcoma, Metastatic
	Alveoli	Histiocytosis
Lymph node	Iliac Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Fibrosarcoma, Metastatic
Pancreas	Acinus	Hyperplasia, Focal
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Stomach		Acanthosis
		Necrosis, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Carcinoma
Unspecified	Groin	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_059

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Mammary gland

Fibroadenoma

Prostate

Hyperplasia, Diffuse

Hyperplasia, Focal

Skin

Back

Inflammation, Chronic Diffuse

Spleen

Hyperkeratosis

Stomach

Hemosiderosis

Acanthosis

Hyperkeratosis

Testis

Inflammation, Chronic Diffuse

Ulcer, Perforated

Thyroid

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_060

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Pancreas		Ectopia
Pituitary gland		Carcinoma, Nos
Prostate		Inflammation, Chronic Focal
Seminal vesicle		Cyst, Nos
		Hyperplasia, Diffuse
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
		Polyp, Inflammatory
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_061

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla
Cortex Nos

Hyperplasia, Focal
Metamorphosis, Fatty
Thrombosis, Nos

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Intestine Large

Colon

Parasitism

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Hyperplasia, Reticulum Cell

Preputial gland

Mediastinal Lymph Node

Pigmentation, Nos

Prostate

Squamous Cell Carcinoma

Spleen

Inflammation, Chronic Focal

Stomach

Hematopoiesis

Acanthosis

Edema, Nos

Hyperkeratosis

Inflammation, Chronic Focal

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Abdominal Cavity

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_062

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos Cortex Nos	Degeneration, Nos Hyperplasia, Focal Metamorphosis, Fatty Thrombosis, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Hyperplasia, Tubular Cell Inflammation, Chronic
Liver		Focal Cellular Change Granuloma, Nos Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos Angiectasis
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos Multiple Organs Nos	Leukemia, Monocytic Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_063

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos Atrium	Inflammation, Chronic Diffuse Thrombosis, Nos
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
Liver		Angiectasis Degeneration, Cystic Focal Cellular Change
Lung		C-Cell Carcinoma, Metastatic Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	C-Cell Carcinoma, Metastatic
Mammary gland		Adenocarcinoma, Nos
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_064

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Epididymis		Mesothelioma, Invasive
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Congestion, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
	Scrotum Nos	Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Invasive
		Mesothelioma, Malignant
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_065

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
	Anterior Chamber	Empyema
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Granuloma, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Acute Focal
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Pituitary gland		Adenoma, Nos
		Angiectasis
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thymus		Carcinoma, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_066

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone	Skull	Osteopetrosis
Brain	Cerebellum Nos	Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
		Inflammation, Interstitial
Stomach		Cyst, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_067

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Fibrosis, Diffuse
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Inflammation, Chronic Focal
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_068

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney	Tubule	Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Focal Cellular Change
Mammary gland		Inflammation, Chronic
Pancreas		Fibroadenoma
Parathyroid gland		Ectopia
Preputial gland		Hyperplasia, Nos
Prostate		Cystic Ducts
Skin	Axilla	Squamous Cell Carcinoma
Spleen		Inflammation, Chronic Diffuse
Stomach		Hyperkeratosis
Testis		Fibrosis, Diffuse
Unspecified	Back	Hemosiderosis
	Multiple Organs Nos	Necrosis, Focal
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
		Fibrosarcoma
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_069

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Brain	Cerebrum	Astrocytoma
Esophagus		Hyperkeratosis
Eye	Retina	Cataract
		Degeneration, Nos
		Hemorrhage
		Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Chronic
Pancreas		Atrophy, Focal
Pituitary gland		Hemorrhage
		Hyperplasia, Focal
Preputial gland		Inflammation, Acute Diffuse
		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Diffuse
Seminal vesicle		Cyst, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_070

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Granuloma, Nos

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Prostate

Inflammation, Chronic Focal

Testis

Interstitial-Cell Tumor

Unspecified

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_071

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Hyperplasia, Tubular Cell
		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
		Necrosis, Focal
		Pigmentation, Nos
Lung		Hemorrhage
	Alveoli	Histiocytosis
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Skin	Tail	Squamous Cell Papilloma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Unspecified	Chest	Fibrosarcoma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_072

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
	Tubule	Pigmentation, Nos Tubular-Cell Adenocarcinoma
Liver		Focal Cellular Change Pigmentation, Nos
Lung	Alveoli Alveoli	Edema, Nos Histiocytosis Inflammation, Chronic
Lymph node	Mediastinal Lymph Node Mediastinal Lymph Node Mediastinal Lymph Node	Atrophy, Nos Lymphangiectasis Pigmentation, Nos
Pancreas		Atrophy, Focal
Skin	Back	Fibrosis, Focal
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Chest	Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_073

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Epididymis

Kidney

Liver

Lung

Pancreas

Spleen

Testis

Tubule

Bile Duct

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Fibrosis, Focal

Inflammation, Chronic

Pigmentation, Nos

Hyperplasia, Nos

Inflammation, Chronic

Atrophy, Focal

Necrosis, Focal

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

C-Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_074

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Preputial gland		Cystic Ducts
Skin	Back	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_075

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Cataract Degeneration, Nos Synechia, Posterior
Heart	Myocardium Nos Atrium	Inflammation, Chronic Diffuse Thrombosis, Nos
Intestine Large	Cecum, Colon	Parasitism
Intestine Small	Mesentery Nos	Hemangiosarcoma
Kidney	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal Mixed Tumor, Benign
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos Multiple Organs Nos	Inflammation, Chronic Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_076

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Eye		Cataract
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_077

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Pigmentation, Nos
Pituitary gland		Cyst, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hemorrhage
		Necrosis, Focal
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_078

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Jejunum	Sarcoma, Nos, Metastatic
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Pancreatic Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Diffuse
Spleen		Hematopoiesis
Stomach		Sarcoma, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_079

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Skin		Granuloma, Nos
Spinal cord		Astrocytoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_080

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Mineralization Pheochromocytoma
Bone	Rib	Thrombosis, Nos Degeneration, Nos
Heart	Myocardium Nos Atrium	Inflammation, Chronic Focal Thrombosis, Nos
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos Pigmentation, Nos
Lung	Alveoli	Histiocytosis Inflammation, Chronic
Lymph node	Mesenteric Lymph Node Mesenteric Lymph Node	Erythrophagocytosis Lymphangiectasis
Mammary gland		Fibroadenoma
Pancreas		Acinar-Cell Adenoma Periarteritis
Pituitary gland		Hyperplasia, Focal
Skin	Tail	Hyperkeratosis
Spleen		Hematopoiesis Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Groin	Steatitis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_081

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
Pituitary gland		Cyst, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_082

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lung

Mammary gland

Pancreas

Testis

Thyroid

Myocardium Nos

Islets

Angiectasis

Inflammation, Chronic Diffuse

Inflammation, Chronic

Inflammation, Chronic

Fibroadenoma

Islet-Cell Carcinoma

Interstitial-Cell Tumor

Cyst, Follicular Nos

Hyperplasia, C Cell

Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_083

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver
Pituitary gland
Prostate
Spleen
Stomach

Testis
Thyroid
Unspecified
Zymbal gland

Cortex Nos
Myocardium Nos
Colon

Multiple Organs Nos

Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Parasitism
Inflammation, Chronic
Hepatitis, Toxic
Hyperplasia, Focal
Inflammation, Chronic Focal
Fibrosis, Multifocal
Acanthosis
Inflammation, Chronic Diffuse
Interstitial-Cell Tumor
Hyperplasia, C Cell
Leukemia, Monocytic
Cystic Ducts

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_084

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Intestine Large

Kidney

Liver

Lung

Mammary gland

Pancreas

Penis

Seminal vesicle

Testis

Unspecified

Myocardium Nos

Mesentery Nos, Colon

Acinus

Prepuce Nos

Axilla

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic Diffuse

Inflammation, Chronic

Degeneration, Nos

Focal Cellular Change

Inflammation, Chronic

Fibroadenoma

Hyperplasia, Focal

Keratoacanthoma

Cyst, Nos

Degeneration, Nos

Interstitial-Cell Tumor

Fibroma

Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_085

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos
Spleen		Hematopoiesis
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_086

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Hyperplasia, Alveolar Epithelium

Lymph node

Mandibular Lymph Node

Inflammation, Chronic

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Mediastinal Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Pigmentation, Nos

Spleen

Fibroadenoma

Testis

Hematopoiesis

Unspecified

Interstitial-Cell Tumor

Fibroma

Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_087

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Intestine Large	Colon	Edema, Nos
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Seminal vesicle		Cyst, Nos
Skin	Neck	Basal-Cell Carcinoma
Spleen		Fibrosis, Multifocal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_088

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Leukocytosis, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
Parathyroid gland		Adenoma, Nos
Skin	Chest	Basal-Cell Carcinoma
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_089

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Multilocular Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Diffuse
Pancreas		Ectopia
	Acinus	Hyperplasia, Focal
Pituitary gland		Angiectasis
Prostate		Inflammation, Chronic Diffuse
Spleen		Hemosiderosis
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
Testis		Ulcer, Perforated Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_090

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Eye	Anterior Chamber	Empyema
	Cornea	Inflammation, Chronic Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
	Myocardium Nos	Mineralization
Intestine Large	Mesentery Nos, Colon	Inflammation, Acute/Chronic
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Parathyroid gland		Hyperplasia, Nos
Prostate		Cyst, Nos
		Inflammation, Chronic Diffuse
Seminal vesicle		Cyst, Nos
		Inflammation, Chronic
Spleen	Follicles	Atrophy, Nos
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Mineralization
Testis		Necrosis, Focal
Urinary bladder		Interstitial-Cell Tumor
		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_091

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Skin	Thigh	Inflammation, Chronic Focal
	Thigh	Keratoacanthoma
Spleen		Fibrosis, Diffuse
		Hemosiderosis
Stomach		Embryonal Rest
Testis		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_092

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Testis

Hyperplasia, Interstitial Cell

Unspecified

Leg

Interstitial-Cell Tumor

Multiple Organs Nos

Hemangiosarcoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_093

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Brain	Cerebellum Nos	Hemorrhage
	Cerebrum	Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
Skin	Lower Leg	Fibrosis, Focal
Spleen		Fibrosis, Diffuse
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Back	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_094

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Inflammation, Chronic Diffuse Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Angiectasis Focal Cellular Change Necrosis, Focal
Lung		Inflammation, Chronic
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal Hemosiderosis
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_095

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_096

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Epididymis		Lipoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Parathyroid gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cystic Follicles
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_097

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Kidney

Inflammation, Chronic

Liver

Embolus, Septic

Necrosis, Focal

Lung

Congestion, Nos

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_098

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
	Cerebrum	Hemorrhage
	Cerebrum	Necrosis, Diffuse
Kidney		Congestion, Nos
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_099

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Spleen		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_100

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Spleen		Hematopoiesis
Stomach		Acanthosis
		Hyperkeratosis
		Squamous Cell Papilloma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_101

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_102

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Rectum	Necrosis, Focal
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Spleen		Fibrosis, Focal
		Hemosiderosis
Stomach		Acanthosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_103

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Mineralization

Lung

C-Cell Carcinoma, Metastatic

Inflammation, Chronic

Prostate

Inflammation, Chronic Focal

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Abdominal Cavity

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_104

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Acinar-Cell Adenoma
		Atrophy, Focal
	Islets	Islet-Cell Carcinoma
Preputial gland		Inflammation, Chronic
Prostate		Cyst, Nos
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_105

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Heart

Kidney

Lung

Lymph node

Parathyroid gland

Prostate

Spleen

Stomach

Testis

Thyroid

Zymbal gland

Myocardium Nos

Cortex

Mesenteric Lymph Node

Hypoplasia, Nos

Inflammation, Chronic Diffuse

Cyst, Nos

Inflammation, Chronic

Inflammation, Chronic

Erythrophagocytosis

Hyperplasia, Nos

Inflammation, Chronic Focal

Hemosiderosis

Acanthosis

Hyperkeratosis

Inflammation, Chronic Focal

Interstitial-Cell Tumor

C-Cell Carcinoma

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_106

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pituitary gland		Adenoma, Nos
Prostate		Cyst, Nos
		Hyperplasia, Focal
		Inflammation, Chronic Diffuse
Spleen		Hemosiderosis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_107

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Leukocytosis, Nos Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
Pancreas	Acinus	Hyperplasia, Focal Periarteritis
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Skin	Lip Nos	Acanthosis
	Lip Nos	Hyperkeratosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_108

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Spleen		Angiectasis
Stomach		Hemosiderosis
		Acanthosis
		Edema, Nos
		Hyperkeratosis
		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Ulcer, Perforated
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_109

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Tubular-Cell Adenocarcinoma
Liver		Degeneration, Nos
		Hepatitis, Toxic
		Necrosis, Focal
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
		Inflammation, Interstitial
Mammary gland		Hyperplasia, Diffuse
		Papillary Adenocarcinoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Cyst, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Seminal vesicle		Abscess, Nos
		Hyperplasia, Diffuse
		Inflammation, Acute Diffuse
Skin	Lip Nos	Squamous Cell Papilloma
Stomach		Acanthosis
		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_110

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Cataract
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney	Cortex	Cyst, Multiple
		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Lymphangiectasis
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
Skin		Keratoacanthoma
Spleen		Hematopoiesis
		Metamorphosis, Fatty
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_111

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebrum	Astrocytoma
Eye		Phthisis Bulbi
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Preputial gland		Cystic Ducts
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_112

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Diffuse
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Stomach		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_113

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pituitary gland		Angiectasis
Testis		Degeneration, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_114

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
Testis		Ulcer, Perforated Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Mesothelioma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_115

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Nephrosis, Hydro
Liver		Bile Duct Carcinoma
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
		Pigmentation, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_116

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Jejunum	Leiomyosarcoma
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_117

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma, Malignant
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Inflammation, Acute Focal
	Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Leukemia, Monocytic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Pheochromocytoma, Metastatic
Pituitary gland		Hemorrhage
		Pigmentation, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_118

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Intestine Large	Cecum, Colon	Hemorrhage
	Cecum, Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Cyst, Hemorrhagic
	Bile Duct	Inflammation, Chronic
		Inflammation, Chronic Focal
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Back	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_119

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart		Liposarcoma, Metastatic
Intestine Large	Cecum, Colon	Necrosis, Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
		Liposarcoma, Metastatic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Pigmentation, Nos
Preputial gland		Squamous Cell Carcinoma
Skin	Foot And Toe Nos	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_120

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Intestine Small	Duodenum	Mucinous Cystadenocarcinoma
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
Testis		Ulcer, Perforated
Zymbal gland		Interstitial-Cell Tumor
		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_121

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Lymph node

Testis

Thyroid

Unspecified

Pancreatic Lymph Node

Mesenteric Lymph Node

Multiple Organs Nos

Pheochromocytoma, Malignant

Inflammation, Chronic

Focal Cellular Change

Metamorphosis, Fatty

Pigmentation, Nos

Inflammation, Chronic

Pheochromocytoma, Metastatic

Hyperplasia, Reticulum Cell

Pigmentation, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_122

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Cortical Carcinoma Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Cataract Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Intestine Small	Jejunum	Leiomyoma
Kidney	Cortex	Cyst, Multilocular Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Cortical Carcinoma, Metastatic Hemorrhage Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Skin	Nose	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_123

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
		Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Parathyroid gland		Adenoma, Nos
Skin	Neck	Keratoacanthoma
Spleen		Fibrosis, Focal
		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Mediastinum Nos	Periarteritis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_124

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Cataract Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Pancreas		Acinar-Cell Adenoma
Prostate		Abscess, Nos Inflammation, Chronic Focal
Spleen		Hematopoiesis Hemosiderosis
Stomach		Acanthosis Inflammation, Chronic Diffuse Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_125

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Seminal vesicle

Cystic Ducts

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_126

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis

Kidney

Lung

Pancreas

Spleen

Testis

Unspecified

Tubule

Duct Nos

Tunica Vaginalis

Multiple Organs Nos

Multiple Organs Nos

Necrosis, Nos

Inflammation, Chronic

Pigmentation, Nos

Inflammation, Chronic

Carcinoma, Nos

Hematopoiesis

Interstitial-Cell Tumor

Mesothelioma, Malignant

Carcinoma, Nos, Invasive

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_127

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus

Eye

Heart

Kidney

Lung

Lymph node

Testis

Retina

Myocardium Nos

Mesenteric Lymph Node

Mesenteric Lymph Node

Hyperkeratosis

Cataract

Degeneration, Nos

Inflammation, Chronic Diffuse

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Lymphoid

Hyperplasia, Reticulum Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:30

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_128

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Medulla

Angiectasis
Hyperplasia, Focal
Hyperplasia, Focal

Bone marrow

Hyperplasia, Nos

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Intestine Large

Colon

Inflammation, Chronic Focal

Intestine Small

Mesentery Nos

Periarteritis

Kidney

Inflammation, Chronic

Liver

Bile Duct

Tubular-Cell Adenocarcinoma

Lung

Bile Duct

Hyperplasia, Nos

Alveoli

Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Histiocytosis

Parathyroid gland

Inflammation, Chronic

Prostate

Pigmentation, Nos

Spleen

Hyperplasia, Nos

Stomach

Hyperplasia, Focal

Testis

Inflammation, Chronic Focal

Hematopoiesis

Acanthosis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_129

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Hemorrhage
	Cerebrum	Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Hemorrhage
Pancreas	Acinus	Hyperplasia, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_130

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Focal
Spleen		Hemorrhage
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_131

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
Liver		Angiectasis
		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Acinar-Cell Adenoma
		Ectopia
Spleen		Fibrosis, Focal
Stomach		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_132

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Eye

Retina

Degeneration, Nos

Kidney

Inflammation, Chronic

Liver

Hepatitis, Toxic

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_133

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen		Hematopoiesis
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_134

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Intestine Small

Kidney

Liver

Lung

Mammary gland

Preputial gland

Prostate

Spleen

Testis

Unspecified

Myocardium Nos

Mesentery Nos

Groin

Pheochromocytoma

Phthisis Bulbi

Inflammation, Chronic Focal

Periarteritis

Inflammation, Chronic

Granuloma, Nos

Inflammation, Chronic

Fibroadenoma

Abscess, Nos

Squamous Cell Carcinoma

Inflammation, Chronic Focal

Hematopoiesis

Interstitial-Cell Tumor

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_135

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
		Pheochromocytoma
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Spleen		Fibrosis, Multifocal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_136

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Osteopetrosis
Eye		Cataract
	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Hyperplasia, Lymphoid
	Renal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Nos
		Fibrosis, Diffuse
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_137

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Cataract Degeneration, Nos Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver	Bile Duct	Focal Cellular Change Hyperplasia, Nos
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pancreas		Atrophy, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Necrosis, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified		Abscess, Nos
	Multiple Organs Nos	Leukemia, Monocytic
	Axilla	Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_138

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
	Crystalline Lens	Rupture
		Synechia, Posterior
	Vitreous Body	Vascularization
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
		Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
Lung		Hemorrhage
		Inflammation, Chronic
		Inflammation, Interstitial
Pancreas		Ectopia
Preputial gland		Cystic Ducts
Skin		Cyst, Epidermal Inclusion
	Ear	Hyperplasia, Basal Cell
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_139

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_140

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Blood vessel	Aorta Nos	Mineralization
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty Necrosis, Focal
Lung		Hemorrhage Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos Inflammation, Chronic Diffuse
Skin		Keratoacanthoma
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Urinary bladder		Inflammation, Chronic Diffuse Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_141

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Heart

Myocardium Nos

Metamorphosis, Fatty

Kidney

Inflammation, Chronic Focal

Liver

Inflammation, Chronic

Lung

Focal Cellular Change

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Mammary gland

Pancreatic Lymph Node

Hyperplasia, Reticulum Cell

Skin

Eyelid Nos

Hyperplasia, Reticulum Cell

Testis

Eyelid Nos

Fibroadenoma

Thyroid

Acanthosis

Unspecified

Groin

Hyperkeratosis

Interstitial-Cell Tumor

C-Cell Adenoma

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_142

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Acute Focal
	Cardiac Valve	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Embolus, Septic
		Inflammation, Chronic
Liver		Necrosis, Focal
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Inflammation, Acute
	Mediastinal Lymph Node	Necrosis, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Hemangiosarcoma
	Mediastinum Nos	Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_143

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
Testis		Necrosis, Focal
		Degeneration, Nos
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Follicular-Cell Carcinoma
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_144

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Lung

Pancreas

Prostate

Spleen

Testis

Thyroid

Unspecified

Retina

Myocardium Nos

Papilla

Islets

Multiple Organs Nos

Pheochromocytoma

Cataract

Degeneration, Nos

Inflammation, Chronic Diffuse

Hyperplasia, Papillary

Inflammation, Chronic

Inflammation, Chronic

Acinar-Cell Adenoma

Atrophy, Focal

Islet-Cell Adenoma

Abscess, Nos

Inflammation, Chronic Diffuse

Fibroma

Interstitial-Cell Tumor

Follicular-Cell Adenoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_145

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Liver

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Spleen

Hematopoiesis

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Unspecified

Fibroma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_146

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Salivary gland

Testis

Unspecified

Myocardium Nos

Mesenteric Lymph Node

Islets

Flank

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Granuloma, Nos

Pigmentation, Nos

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Islet-Cell Carcinoma

Fibrosarcoma

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Fibroma

Fibrosarcoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_147

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Hyperplasia, Epithelial
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Thymus		Squamous Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_148

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Parasitism

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Pituitary gland

Adenoma, Nos

Spleen

Angiectasis

Testis

Hematopoiesis

Thyroid

Hyperplasia, Interstitial Cell

Unspecified

Interstitial-Cell Tumor

C-Cell Adenoma

Hyperplasia, C Cell

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_149

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Testis		Hyperplasia, Interstitial Cell
Unspecified	Sacral Region	Hemangiopericytoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_150

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lung

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Congestion, Nos

Hemorrhage

Inflammation, Chronic

Inflammation, Chronic Focal

Interstitial-Cell Tumor

Prostate

Testis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_151

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
		Atrophy, Focal
	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Carcinoma
Parathyroid gland		Adenoma, Nos
Skin	Head	Hyperkeratosis
	Head	Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_152

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Cecum, Colon	Parasitism
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Hemorrhage
Prostate		Inflammation, Chronic Diffuse
Seminal vesicle		Cystic Ducts
Spleen		Hemangiosarcoma
		Hematopoiesis
		Hemosiderosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_153

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Lung

Lymph node

Pituitary gland

Spleen

Stomach

Testis

Zymbal gland

Tubule

Mesenteric Lymph Node

Pheochromocytoma

Inflammation, Chronic

Pigmentation, Nos

Inflammation, Chronic

Inflammation, Interstitial

Hyperplasia, Reticulum Cell

Carcinoma, Nos

Hemosiderosis

Acanthosis

Hyperkeratosis

Inflammation, Chronic Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_154

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis		Necrosis, Fat
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Degeneration, Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_155

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Brain	Cerebellum Nos	Hemorrhage
Eye		Cataract
Heart	Retina	Degeneration, Nos
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse
Lung		Inflammation, Chronic Hemorrhage
Pancreas		Inflammation, Chronic Atrophy, Diffuse
Pituitary gland	Islets	Islet-Cell Adenoma Adenoma, Nos
Testis		Angiectasis Cyst, Hemorrhagic Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_156

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Congestion, Nos

Lung

Congestion, Nos

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_157

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney	Tubule	Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Lymphangiectasis
Nasal cavity	Turbinates Nos	Inflammation, Acute Diffuse
	Turbinates Nos	Necrosis, Focal
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Hyperplasia, Focal
Skin	Flank	Keratoacanthoma
Spleen		Hematopoiesis
		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_158

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Neoplastic Nodule
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Skin		Keratoacanthoma
Testis		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
Unspecified	Back	C-Cell Carcinoma
		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_159

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
Lung		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Carcinoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_160

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Skin		Basal-Cell Carcinoma
	Head	Basal-Cell Tumor
	Ear	Fibrosarcoma
Spleen		Fibrosarcoma
		Hemorrhage
		Thrombosis, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_161

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Liver

Necrosis, Focal

Lung

Inflammation, Chronic

Mammary gland

Fibroadenoma

Stomach

Acanthosis

Adhesion, Nos

Hyperkeratosis

Mineralization

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_162

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Ectopia
Preputial gland		Cystic Ducts
		Inflammation, Chronic Diffuse
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cystic Follicles
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_163

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Hyperplasia, Focal
Inflammation, Chronic
Focal Cellular Change
Neoplastic Nodule
Inflammation, Chronic
Hyperplasia, Focal
Inflammation, Chronic Focal
Hyperplasia, Diffuse
Fibrosis, Focal
Interstitial-Cell Tumor
C-Cell Adenoma
Leukemia, Monocytic

Lung
Pituitary gland
Prostate
Seminal vesicle
Spleen
Testis
Thyroid
Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_164

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Lipoid Pheochromocytoma
Bone	Sternum	Degeneration, Nos
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
Lung		Inflammation, Chronic
Lymph node	Renal Lymph Node	Hyperplasia, Lymphoid
	Renal Lymph Node	Pigmentation, Nos
Preputial gland		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_165

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hemorrhage Hypoplasia, Nos
Intestine Large	Colon	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic Pigmentation, Nos
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic Inflammation, Fibrinous
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Stomach		Acanthosis Hyperkeratosis Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_166

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Fibrosis, Diffuse
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Diffuse
Prostate		Inflammation, Chronic Diffuse
Spleen		Fibrosis, Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_167

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Granuloma, Nos Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Skin		Acanthosis Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
Tongue		Interstitial-Cell Tumor Acanthosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_168

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_169

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Liver		Hematopoiesis
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
		Pigmentation, Nos
Preputial gland		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_170

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Infarct, Healed

Tubule

Pigmentation, Nos

Sarcoma, Nos

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Spleen

Hematopoiesis

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_171

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen		Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
		Periarteritis
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_172

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Bile Duct

Bile Duct

Lung

Lymph node

Pituitary gland

Prostate

Spleen

Stomach

Mesenteric Lymph Node

Testis

Inflammation, Chronic

Granuloma, Nos

Hyperplasia, Nos

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Adenoma, Nos

Inflammation, Chronic Focal

Hemosiderosis

Acanthosis

Hyperkeratosis

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_173

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Islet-Cell Adenoma
Prostate		Abscess, Nos
Spleen		Hemangiosarcoma
		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_174

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Cecum, Colon	Adenomatous Polyp, Nos
Intestine Small	Mesentery Nos	Inflammation, Acute Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Leukocytosis, Nos
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Ileocolic Lymph Node	Inflammation, Chronic
	Mediastinal Lymph Node	Inflammation, Chronic
	Mesenteric Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
		Atrophy, Nos
Prostate		Abscess, Nos
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Diaphragm Nos	Hernia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_175

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hematopoiesis
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Focal
Skin	Head	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_176

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Hyperplasia, Focal Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Intestine Large	Colon	Necrosis, Focal
Lymph node	Mandibular Lymph Node	Sarcoma, Nos, Invasive
Pituitary gland		Angiectasis Hyperplasia, Focal
Prostate		Abscess, Nos
Salivary gland		Sarcoma, Nos
Skin	Ear	Squamous Cell Papilloma
Spleen	Follicles	Atrophy, Nos Hemosiderosis
Stomach		Acanthosis Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Diaphragm Nos Multiple Organs Nos	Hernia, Nos Inflammation, Chronic
Urinary bladder		Hyperplasia, Papillary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_177

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Intestine Large	Transverse Colon, Colon	Mucinous Cystadenocarcinoma
Kidney		Transitional-Cell Carcinoma
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Transitional-Cell Carcinoma, Invasive
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Transitional-Cell Carcinoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_178

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone	Lumbar Vertebra Nos	Liposarcoma, Invasive
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Lymphangiectasis
Skin	Lip Nos	Basal-Cell Carcinoma
Stomach		Acanthosis Inflammation, Chronic Diffuse Necrosis, Focal
Testis		Ulcer, Perforated
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor
	Back	Leukemia, Monocytic
	Neck	Liposarcoma Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_179

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Leukemia, Monocytic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Inflammation, Chronic Focal
Skin	Groin	Trichoepithelioma
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma
Zymbal gland		Cystic Ducts
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_180

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Epididymis

Necrosis, Fat

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Tubule

Pigmentation, Nos

Lung

Bile Duct

Inflammation, Chronic

Pituitary gland

Inflammation, Chronic

Testis

Angiectasis

Interstitial-Cell Tumor

Unspecified

Tunica Vaginalis

Mesothelioma, Malignant

Multiple Organs Nos

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_181

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver
Lung
Pancreas
Pituitary gland
Prostate

Medulla
Cortex Nos
Myocardium Nos
Colon

Coagulating Gland

Coagulating Gland

Testis
Thyroid
Unspecified
Urinary bladder

Multiple Organs Nos

Hyperplasia, Focal
Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Parasitism
Inflammation, Chronic
Focal Cellular Change
Inflammation, Chronic
Acinar-Cell Adenoma
Adenoma, Nos
Abscess, Nos
Hyperplasia, Focal
Hyperplasia, Nos
Inflammation, Chronic Diffuse
Metaplasia, Squamous
Metaplasia, Squamous
Interstitial-Cell Tumor
Hyperplasia, C Cell
Fibrous Histiocytoma, Malignant
Hyperplasia, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_182

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Pigmentation, Nos
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
		Inflammation, Interstitial
Preputial gland		Cystic Ducts
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Tongue		Acanthosis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_183

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Hepatitis, Toxic

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic

Lung

Inflammation, Chronic

Pancreas

Acinar-Cell Adenoma

Pituitary gland

Hyperplasia, Focal

Prostate

Inflammation, Chronic Focal

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_184

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
Lung		Inflammation, Chronic
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_185

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver

Myocardium Nos
Colon

Necrosis, Focal
Inflammation, Chronic Diffuse
Parasitism
Inflammation, Chronic
Degeneration, Nos
Focal Cellular Change
Hepatitis, Toxic
Pigmentation, Nos
Abscess, Nos
Hyperplasia, Focal
Abscess, Nos
Interstitial-Cell Tumor
C-Cell Carcinoma
Leukemia, Monocytic
Cystic Ducts

Prostate

Skin
Testis

Lip Nos

Thyroid
Unspecified
Zymbal gland

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_186

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Focal Cellular Change
		Hepatocellular Carcinoma
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Skin	Tail	Acanthosis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_187

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Nos
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Angiectasis
		Focal Cellular Change
		Hepatitis, Toxic
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_188

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Liver		Abscess, Nos
		Necrosis, Nos
Lymph node	Mediastinal Lymph Node	Congestion, Nos
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Pancreas		Calculus, Unknown Gross Or Micro
	Duct Nos	Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Unspecified	Abdominal Cavity	Abscess, Nos
	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_189

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Maxilla	Exostosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Cecum, Colon	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
Lung		Hemorrhage
		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Pancreas		Ectopia
Preputial gland		Cystic Ducts
Spleen		Hyperplasia, Reticulum Cell
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Carcinoma
Unspecified	Neck	Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_190

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatocellular Carcinoma
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_191

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver		Necrosis, Focal
Lung		Congestion, Nos Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Congestion, Nos
	Mediastinal Lymph Node	Hemorrhage
Pituitary gland		Cyst, Hemorrhagic
Spleen		Hematopoiesis
Testis		Degeneration, Nos Hyperplasia, Interstitial Cell Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_192

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Tubular-Cell Adenoma
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
		Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Chest	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_193

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Lymphangiectasis
Spleen		Hyperplasia, Lymphoid
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_194

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Lung
Lymph node
Prostate
Spleen
Testis
Thyroid
Unspecified

Cortex Nos
Myocardium Nos

Mesenteric Lymph Node

Back

Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Inflammation, Chronic
Inflammation, Chronic
Hyperplasia, Reticulum Cell
Hyperplasia, Focal
Hematopoiesis
Interstitial-Cell Tumor
C-Cell Carcinoma
Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_195

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Ileum, Ileum	Adenomatous Polyp, Nos
	Ileum, Ileum	Inflammation, Chronic Diffuse
	Mesentery Nos	Inflammation, Chronic Focal
	Ileum, Ileum	Ulcer, Perforated
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Pituitary gland		Cyst, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Diffuse
Spleen		Fibrosis, Focal
		Hematopoiesis
Testis		Infarct, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Flank	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_196

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Necrosis, Focal
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_197

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain
Heart
Intestine Large
Kidney
Lung
Mammary gland
Testis

Cranial Cavity
Myocardium Nos
Colon

Osteoma
Inflammation, Chronic Focal
Parasitism
Inflammation, Chronic
Inflammation, Chronic
Cystic Ducts
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_199

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Inflammation, Chronic Focal
Prostate		Hyperplasia, Focal
Salivary gland		Fibrosarcoma
Seminal vesicle		Cyst, Nos
Spleen		Fibrosis, Focal
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Fibrosarcoma, Invasive
	Back	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_200

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Intestine Small	Ileum, Ileum	Granuloma, Nos
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Ileocolic Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Focal
Skin	Eyelid Nos	Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Abdominal Cavity	Necrosis, Fat
	Multiple Organs Nos	Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_201

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
		Squamous Cell Carcinoma, Metastatic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Iliac Lymph Node	Inflammation, Acute
Preputial gland		Squamous Cell Carcinoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_202

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Lung
Testis

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic
Hepatitis, Toxic
Inflammation, Chronic
Degeneration, Nos
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
Leukemia, Monocytic

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_203

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		C-Cell Carcinoma, Metastatic
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Axilla	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_204

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Fibrosarcoma
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Lymphangiectasis
Prostate		Hyperplasia, Focal
Salivary gland		Atrophy, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Fibrosarcoma, Invasive
	Multiple Organs Nos	Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_205

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver

Lung
Lymph node
Pancreas
Testis

Thyroid

Unspecified

Cortex Nos
Myocardium Nos
Colon

Bile Duct

Mandibular Lymph Node
Islets

Multiple Organs Nos

Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Parasitism
Inflammation, Chronic
Hyperplasia, Nos
Pigmentation, Nos
Inflammation, Chronic
Lymphangiectasis
Islet-Cell Adenoma
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
Follicular-Cell Adenoma
Hyperplasia, C Cell
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_206

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Duodenum	Fibroma
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_207

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Lumbar Vertebra Nos	Osteosarcoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hematopoiesis
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Angiectasis
		Cyst, Nos
		Hyperplasia, Focal
Spleen		Hematopoiesis
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_208

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_209

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Ascending Colon, Colon	Adenomatous Polyp, Nos
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Pigmentation, Nos
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_210

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_211

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Testis

Thyroid

Unspecified

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Hepatitis, Toxic

Hemorrhage

Inflammation, Chronic

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_212

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Angiectasis
		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_213

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Ectopia
Seminal vesicle		Cystic Ducts
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Back	Fibrosarcoma
	Mediastinum Nos	Fibrosarcoma, Invasive
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_214

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Congestion, Nos
Lung		Congestion, Nos
Preputial gland		Squamous Cell Carcinoma
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Seminal vesicle		Cyst, Nos
		Inflammation, Acute Diffuse
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Urinary bladder		Hemorrhage
		Inflammation, Acute Diffuse
		Necrosis, Diffuse
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_215

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Skull	Osteopetrosis
Bone marrow		Hypoplasia, Nos
Esophagus		Hyperkeratosis
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Metamorphosis, Fatty
Lung		Hemorrhage
		Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Erythrophagocytosis
	Cervical Lymph Node Nos	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Skin	Lip Nos	Basal-Cell Tumor
Spleen		Hematopoiesis
		Hyperplasia, Reticulum Cell
		Necrosis, Focal
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_216

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
Seminal vesicle		Hyperplasia, Diffuse
		Inflammation, Acute Diffuse
Skin	Scrotum	Squamous Cell Papilloma
Spleen		Fibrosis, Focal
		Hemosiderosis
		Hyperplasia, Lymphoid
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Metamorphosis, Fatty
	Multiple Organs Nos	Necrosis, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_217

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Focal
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_218

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Degeneration, Nos
Salivary gland	Parotid Gland Nos	Degeneration, Nos
	Parotid Gland Nos	Inflammation, Chronic
Spleen	Follicles	Atrophy, Nos
		Hyperplasia, Stromal
		Necrosis, Focal
Stomach		Hyperkeratosis
		Necrosis, Focal
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_219

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Bone marrow
Eye

Heart
Kidney
Lung
Preputial gland

Prostate
Seminal vesicle
Spleen
Testis
Thyroid
Unspecified

Retina
Myocardium Nos

Multiple Organs Nos

Pheochromocytoma
Hyperplasia, Nos
Cataract
Degeneration, Nos
Inflammation, Chronic Diffuse
Inflammation, Chronic
Inflammation, Chronic
Cystic Ducts
Hyperplasia, Diffuse
Inflammation, Chronic Focal
Cyst, Nos
Hemangiosarcoma
Interstitial-Cell Tumor
C-Cell Carcinoma
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_220

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos Hemorrhage
Bone marrow		Hyperplasia, Nos
Eye	Retina	Cataract Degeneration, Nos Hemorrhage
Heart	Myocardium Nos	Synechia, Posterior
Kidney		Inflammation, Chronic Focal
Liver		Inflammation, Chronic Focal Cellular Change Leukocytosis, Nos
Lung		Inflammation, Chronic
Skin		Squamous Cell Carcinoma
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_221

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Fibrosis, Multifocal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Carcinoma
		Periarteritis
Preputial gland		Cystic Ducts
		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Unspecified	Flank	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_222

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hypoplasia, Nos
Eye		Cataract
	Retina	Degeneration, Nos
	Vitreous Body	Vascularization
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Fibrosis, Focal
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Stomach		Hyperplasia, Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Flank	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_223

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Lymph node

Mandibular Lymph Node

Inflammation, Chronic

Mediastinal Lymph Node

Congestion, Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_224

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Spleen

Testis

Thymus

Myocardium Nos

Follicles

Ganglioneuroma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Metamorphosis, Fatty

Congestion, Nos

Inflammation, Chronic

Atrophy, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_225

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
		Hyperplasia, Diffuse
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Seminal vesicle		Abscess, Nos
		Inflammation, Chronic Diffuse
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_226

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma Thrombosis, Nos
Blood vessel	Mesenteric Artery Nos	Mineralization
Bone	Skull	Fibrous Osteodystrophy
	Skull	Osteopetrosis
Eye		Cataract
	Retina	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney	Cortex	Cyst, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenoma, Nos
Pancreas	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis Sarcoma, Nos, Metastatic
Stomach		Mineralization
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Tail	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_227

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Cataract

Kidney

Degeneration, Nos

Liver

Inflammation, Chronic

Lung

Metamorphosis, Fatty

Lymph node

Inflammation, Chronic

Pancreas

Mandibular Lymph Node

Hyperplasia, Lymphoid

Stomach

Islets

Islet-Cell Adenoma

Testis

Acanthosis

Zymbal gland

Interstitial-Cell Tumor

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_228

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Capsule

Fibrosis, Focal

Eye

Medulla

Hyperplasia, Focal

Heart

Retina

Cataract

Intestine Small

Myocardium Nos

Degeneration, Nos

Kidney

Mesentery Nos

Phthisis Bulbi

Liver

Inflammation, Chronic Diffuse

Lung

Sarcoma, Nos

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Pancreas

Focal Cellular Change

Skin

Inflammation, Chronic

Spleen

Sarcoma, Nos, Invasive

Testis

Foot And Toe Nos

Hyperplasia, Focal

Squamous Cell Papilloma

Hematopoiesis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_229

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye
Heart
Intestine Large

Kidney
Lung
Pancreas
Pituitary gland
Testis
Thyroid

Retina
Myocardium Nos
Cecum, Colon
Cecum, Colon

Pheochromocytoma
Degeneration, Nos
Inflammation, Chronic Focal
Congestion, Nos
Necrosis, Diffuse
Inflammation, Chronic
Inflammation, Chronic
Acinar-Cell Carcinoma
Adenoma, Nos
Interstitial-Cell Tumor
C-Cell Adenoma
Follicular-Cell Adenoma
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_230

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Hyperplasia, Diffuse
Pancreas	Acinus	Acinar-Cell Adenoma Hyperplasia, Focal
Pituitary gland		Angiectasis
Preputial gland		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Diffuse
Skin		Keratoacanthoma
Spleen		Hematopoiesis Hemosiderosis
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_231

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Metamorphosis, Fatty Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hematopoiesis
	Mediastinal Lymph Node	Thrombosis, Nos
Pancreas	Islets	Islet-Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Diffuse
Stomach		Inflammation, Chronic Focal Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_232

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos	Carcinoma, Nos, Invasive
	Cerebrum	Carcinoma, Nos, Invasive
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Degeneration, Nos
		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pituitary gland		Carcinoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Spleen		Hemosiderosis
Stomach		Acanthosis
		Fibrosis, Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Back	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_233

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Neoplastic Nodule
Lung		Fibrosis, Diffuse
		Hemorrhage
	Alveoli	Histiocytosis
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
Mammary gland		Hyperplasia, Diffuse
Pancreas		Atrophy, Diffuse
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Spleen	Follicles	Atrophy, Nos
		Fibrosis, Diffuse
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Abdominal Cavity	Inflammation, Chronic Diffuse
	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_234

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye		Cataract Hemorrhage
Harderian gland	Cornea	Inflammation, Chronic
Liver	Harderian Gland	Inflammation, Acute Diffuse Focal Cellular Change Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pancreas		Acinar-Cell Adenoma
Prostate		Hyperplasia, Focal
Spleen		Fibrosis, Focal
Stomach		Acanthosis Hyperkeratosis Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_235

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Pelvis	Dilatation, Nos
		Inflammation, Chronic
Liver		Inflammation, Acute Focal
		Necrosis, Focal
Lung		Inflammation, Chronic
Peritoneum		Fibrosarcoma
Seminal vesicle		Inflammation, Chronic Diffuse
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urinary bladder		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_236

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Epididymis		Necrosis, Fat
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Granuloma, Nos
		Leukocytosis, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
		Ectopia
Parathyroid gland		Hyperplasia, Nos
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_237

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Pheochromocytoma

Heart

Myocardium Nos

Pheochromocytoma, Malignant

Kidney

Inflammation, Chronic Focal

Lung

Inflammation, Chronic

Preputial gland

Tubule

Pigmentation, Nos

Prostate

Inflammation, Chronic

Spleen

Cystic Ducts

Hyperplasia, Focal

Hematopoiesis

Hemosiderosis

Testis

Pheochromocytoma, Metastatic

Degeneration, Nos

Thyroid

Interstitial-Cell Tumor

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_238

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Cecum, Colon	Edema, Nos
	Cecum, Colon	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung	Bronchus	Fibrosis, Focal
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
Mammary gland		Fibroadenoma
		Hyperplasia, Diffuse
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
		Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_239

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Lymphoid
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Spleen		Hyperplasia, Lymphoid
Testis		Metamorphosis, Fatty
Unspecified		Interstitial-Cell Tumor
		Fibroma
	Leg	Hemangiosarcoma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_240

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Liver		Necrosis, Focal
Lung		Hemorrhage
		Inflammation, Chronic
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_241

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
Testis		Inflammation, Interstitial
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts
		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_242

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Ileum	Inflammation, Chronic
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Carcinoma
Prostate		Hyperplasia, Focal
Skin	Lower Leg	Keratoacanthoma
Spleen		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_243

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Pancreas		Inflammation, Chronic Focal
	Islets	Islet-Cell Adenoma
Spleen		Necrosis, Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_244

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Congestion, Nos
Lung		Congestion, Nos
		Hyperplasia, Alveolar Epithelium
Lymph node	Mesenteric Lymph Node	Inflammation, Chronic
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Reticulum Cell
Pituitary gland		Cystic Ducts
		Adenoma, Nos
Prostate		Hemorrhage
Spleen		Inflammation, Chronic Focal
Testis		Hemosiderosis
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_245

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Lung

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_246

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Lung

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_247

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Intestine Large

Large Intestine, Colon

Parasitism

Lung

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_248

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node	Mandibular Lymph Node	Inflammation, Chronic
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Pancreas	Islets	Lymphangiectasis
		Islet-Cell Carcinoma
		Mixed Tumor, Benign
Preputial gland		Abscess, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Stomach		Necrosis, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts
		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_249

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Lung		Pneumonia, Aspiration
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_250

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Blood vessel	Aorta Nos	Mineralization
Heart		Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
		Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
Spleen		Fibrosis, Focal
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_251

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Duodenum	Necrosis, Focal
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver		Focal Cellular Change Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
Pancreas	Acinus	Hyperplasia, Focal Periarteritis
Pituitary gland		Adenoma, Nos Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Skin	Back	Acanthosis
Testis	Foot And Toe Nos	Basal-Cell Carcinoma
Thyroid		Interstitial-Cell Tumor Follicular-Cell Adenoma Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_252

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Skin	Back	Basal-Cell Carcinoma
Spleen	Follicles	Atrophy, Nos
		Fibrosis, Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Thigh	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_253

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatocellular Carcinoma
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Diffuse
Skin	Scrotum	Cyst, Epidermal Inclusion
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_254

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone	Rib	Degeneration, Nos
Brain	Cerebrum	Inflammation, Chronic
	Cerebrum	Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Hyperplasia, Focal
Prostate		Hyperplasia, Focal Inflammation, Chronic Focal
Testis		Degeneration, Nos Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_255

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma, Malignant
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Inflammation, Chronic Focal
	Mesentery Nos	Pheochromocytoma, Metastatic
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
	Tubule	Pigmentation, Nos Focal Cellular Change Hepatitis, Toxic Neoplastic Nodule
Liver		Inflammation, Chronic Hyperplasia, Lymphoid
Lung	Mandibular Lymph Node	Fibroadenoma Hyperplasia, Diffuse
Lymph node		Inflammation, Chronic Focal
Mammary gland		Basal-Cell Carcinoma Acanthosis
Prostate		Inflammation, Chronic Focal
Skin		Ulcer, Perforated
Stomach		Interstitial-Cell Tumor
Testis		Hyperplasia, C Cell
Thyroid		Leukemia, Monocytic
Unspecified	Multiple Organs Nos	Inflammation, Acute Diffuse
Urinary bladder		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_256

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Mesentery Nos, Colon	Inflammation, Chronic Diffuse
Kidney		Inflammation, Acute Focal
		Inflammation, Chronic
	Medulla	Necrosis, Focal
		Tubular-Cell Adenocarcinoma
Lung		Inflammation, Chronic
Mammary gland		Hyperplasia, Diffuse
Pituitary gland		Hyperplasia, Focal
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Seminal vesicle		Cyst, Nos
Spleen		Hemosiderosis
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Urinary bladder		Hemorrhage
		Inflammation, Acute Diffuse
		Necrosis, Diffuse
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_257

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Pigmentation, Nos

Sarcoma, Nos, Metastatic

Thrombosis, Nos

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Testis

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Megakaryocytic

Head

Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_258

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Angiectasis Focal Cellular Change Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos Pigmentation, Nos Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Prostate		Hyperplasia, Focal Inflammation, Chronic Diffuse
Skin	Flank	Squamous Cell Carcinoma
Stomach	Fundus	Hyperplasia, Focal Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified		Fibrosarcoma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_259

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Brain	Cerebellum Nos	Hemorrhage
	Cerebrum	Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Pituitary gland		Cyst, Nos
Spleen		Necrosis, Focal
		Thrombosis, Nos
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_260

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Leg	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_261

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large
Kidney
Lung
Pituitary gland

Colon

Parasitism
Inflammation, Chronic
C-Cell Carcinoma, Metastatic
Adenoma, Nos
Angiectasis

Testis
Thyroid

Interstitial-Cell Tumor
C-Cell Carcinoma
Follicular-Cell Adenoma

Unspecified

Flank
Multiple Organs Nos

Fibrosarcoma
Leukemia, Myelomonocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_262

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Infarct, Healed Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Pharynx		Squamous Cell Carcinoma
Salivary gland		Atrophy, Diffuse
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_263

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Oral mucosa	Palate	Acanthosis
	Palate	Hyperkeratosis
Pancreas	Islets	Hyperplasia, Focal
Prostate		Hemorrhage
		Inflammation, Chronic Focal
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_264

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Preputial gland		Cystic Ducts
		Inflammation, Acute Diffuse
Prostate		Inflammation, Acute/Chronic
Seminal vesicle		Cyst, Nos
		Hemorrhage
		Hyperplasia, Diffuse
Skin	Back	Hyperkeratosis
Spleen		Hemosiderosis
Stomach		Inflammation, Acute Focal
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Axilla	Fibroma
Urinary bladder		Hemorrhage
		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_265

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Heart

Inflammation, Chronic

Lung

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_266

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis

Necrosis, Fat

Intestine Large

Cecum, Colon

Steatitis

Colon

Necrosis, Focal

Kidney

Parasitism

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Pancreas

Hyperplasia, Reticulum Cell

Skin

Atrophy, Focal

Testis

Squamous Cell Papilloma

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Zymbal gland

Leukemia, Monocytic

Cystic Ducts

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_267

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Spleen		Congestion, Nos
Stomach		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_268

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Inflammation, Chronic Focal
	Colon	Necrosis, Focal
	Colon	Parasitism
Intestine Small	Mesentery Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Lymphangiectasis
Mammary gland		Hyperplasia, Diffuse
Prostate		Inflammation, Chronic Diffuse
Skin	Flank	Keratoacanthoma
Spleen		Hemosiderosis
Stomach		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Urinary bladder		Hyperplasia, Papillary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_269

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Prostate

Seminal vesicle

Spleen

Testis

Thyroid

Unspecified

Zymbal gland

Myocardium Nos

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Hepatitis, Toxic

Neoplastic Nodule

Inflammation, Chronic

Abscess, Nos

Hyperplasia, Diffuse

Necrosis, Focal

Thrombosis, Nos

Degeneration, Nos

Interstitial-Cell Tumor

C-Cell Carcinoma

Leukemia, Monocytic

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_270

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
		Inflammation, Interstitial
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Iliac Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Seminal vesicle		Abscess, Nos
Spleen		Hematopoiesis
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Tremolite
CAS Number: 14567-73-8

Date Report Requested: 10/26/2014
Time Report Requested: 15:15:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_271

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	C-Cell Carcinoma, Metastatic
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Pituitary gland		Carcinoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_272

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic Inflammation, Interstitial
Lymph node	Mandibular Lymph Node	Pigmentation, Nos Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos Cyst, Hemorrhagic
Prostate		Inflammation, Chronic Diffuse
Skin	Back Back	Acanthosis Hyperkeratosis
Stomach		Acanthosis Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_273

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Iliac Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Diffuse
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Hemorrhage
	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_274

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Intestine Large	Ascending Colon, Colon	Mucinous Cystadenocarcinoma
Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_275

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hemorrhage
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas	Acinus	Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_276

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

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First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_277

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Lung

Lymph node

Parathyroid gland

Stomach

Testis

Thyroid

Unspecified

Myocardium Nos

Pancreatic Lymph Node

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Hyperplasia, Nos

Acanthosis

Degeneration, Nos

Interstitial-Cell Tumor

C-Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_278

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone	Rib	Degeneration, Nos
Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
	Crystalline Lens	Rupture
Intestine Small	Mesentery Nos	Periarteritis
Kidney	Tubule	Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Hyperplasia, Focal
Prostate		Abscess, Nos
		Hyperplasia, Focal
Spleen	Follicles	Atrophy, Nos
		Hemosiderosis
Stomach		Acanthosis
		Necrosis, Focal
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_279

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone	Maxilla	Fibrosarcoma, Invasive
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Preputial gland		Cystic Ducts
Salivary gland		Sarcoma, Nos
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified	Eyelid	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_280

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Spleen		Hematopoiesis Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08991

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tremolite

CAS Number: 14567-73-8

Date Report Requested: 10/26/2014

Time Report Requested: 15:15:31

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_281

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****