

Experiment Number: 99037 - 01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 09/19/2016
Time Report Requested: 14:00:38
First Dose M/F: 05/07/01 / 05/07/01
Lab: MBA

NTP Study Number: C99037
Lock Date: 01/24/2002
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-1

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain, NOS	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Eye
Note: no optic nerve in sections

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-2

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Liver | * Lung | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- | | |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-3

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | |
|--------------------------|-------------------|
| * Lymph Node, Mandibular | * Seminal Vesicle |
|--------------------------|-------------------|

INSUFFICIENT TISSUE

- * Larynx

OBSERVATIONS

- | | | | |
|---------|---------------|---------------------------|---------|
| * Liver | Centrilobular | Vacuolization Cytoplasmic | Minimal |
|---------|---------------|---------------------------|---------|

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-4

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Lymph Node, Mandibular

INSUFFICIENT TISSUE

- * Larynx

OBSERVATIONS

- | | | | |
|---------|---------------|---------------------------|---------|
| * Liver | Centrilobular | Vacuolization Cytoplasmic | Minimal |
|---------|---------------|---------------------------|---------|

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-5

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain, NOS	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Lung	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
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Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 11

TRT#: 2

SEX: Male

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 12

TRT#: 2

SEX: Male

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 13

TRT#: 2

SEX: Male

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 14

TRT#: 2

SEX: Male

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 15

TRT#: 2

SEX: Male

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 21

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 22

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 23

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 24

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 25

TRT#: 3

SEX: Male

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 31

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-31

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLs = 1-6]

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 32

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 33

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 34

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 35

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 41

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 42

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 43

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 44

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 45

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 51

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-51

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain, NOS	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Seminal Vesicle
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Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 52

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-52

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- | | | | |
|---------|---------------|---------------------------|---------|
| * Liver | Centrilobular | Vacuolization Cytoplasmic | Minimal |
|---------|---------------|---------------------------|---------|

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 53

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-53

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain, NOS	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Lung	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
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Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 55

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-55

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|--------------------------|-----------------|
| * Lymph Node, Mandibular | * Mammary Gland |
|--------------------------|-----------------|

INSUFFICIENT TISSUE

- * Larynx

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 6

TRT#: 7

SEX: Female

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-6

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Lymph Node, Mandibular

INSUFFICIENT TISSUE

- * Larynx

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 7

TRT#: 7

SEX: Female

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-7

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone Marrow
- * Brain, NOS
- * Clitoral Gland
- * Bone
- * Eye
- * Harderian Gland
- * Heart
- * Esophagus
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Large, Cecum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Kidney
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Liver
- * Pancreas
- * Parathyroid Gland
- * Peripheral Nerve, Sciatic
- * Ovary
- * Salivary Glands
- * Skeletal Muscle
- * Skin
- * Pituitary Gland
- * Spinal Cord, Lumbar
- * Spleen
- * Stomach, Forestomach
- * Spinal Cord, Cervical
- * Thymus
- * Thyroid Gland
- * Stomach, Glandular
- * Uterus
- * Urinary Bladder

MISSING

- * Lymph Node, Mandibular

INSUFFICIENT TISSUE

- * Larynx

OBSERVATIONS

- | | | | |
|--------|----------|----------------------------|---|
| * Lung | Alveolus | Hemorrhage
Inflammation | Focal, Minimal
Chronic Active, Focal, Moderate |
|--------|----------|----------------------------|---|

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 8

TRT#: 7

SEX: Female

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-8

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Peripheral Nerve, Sciatic | * Pituitary Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

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

INSUFFICIENT TISSUE

- * Larynx

OBSERVATIONS

- | | | |
|----------|------------|---------|
| * Uterus | Hydrometra | Minimal |
|----------|------------|---------|

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 9

TRT#: 7

SEX: Female

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-9

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Lymph Node, Mandibular

INSUFFICIENT TISSUE

- * Larynx

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 10

TRT#: 7

SEX: Female

DAY ON TEST: 17

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB441M-10

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Liver | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

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

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 16

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 17

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 18

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 19

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 20

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 26

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 27

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 28

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 29

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 30

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 36

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 37

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 38

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 39

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 40

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 46

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 47

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 48

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 49

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 50

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

*** NECROPSIED - NO MICROSCOPIC EXAMINATION

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 56

TRT#: 12

SEX: Female

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-56

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain, NOS	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver	Centrilobular	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Hemorrhage	Focal, Minimal

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 57

TRT#: 12

SEX: Female

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-57

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Liver | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

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

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 58

TRT#: 12

SEX: Female

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-58

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Liver | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Lymph Node, Mandibular

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 59

TRT#: 12

SEX: Female

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-59

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Liver | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Lymph Node, Mandibular

Experiment Number: 99037 - 01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 09/19/2016

Time Report Requested: 14:00:38

First Dose M/F: 05/07/01 / 05/07/01

Lab: MBA

ANIMAL ID: 60

TRT#: 12

SEX: Female

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB441M-60

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain, NOS | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Pituitary Gland | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Lymph Node, Mandibular

INSUFFICIENT TISSUE

- * Larynx

*** END OF REPORT ***