

Experiment Number: 99037 - 03
Test Type: 90-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: 09/20/2016
Time Report Requested: 11:43:53
First Dose M/F: 08/13/02 / 08/12/02
Lab: SRI

NTP Study Number: C99037B
Lock Date: 04/04/2003
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 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | |
|---------|----------------|------------------|
| * Heart | Cardiomyopathy | Minimal |
| * Lung | Hemorrhage | Minimal |
| | Inflammation | Chronic, Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------------------------|----------------------------|---------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | | Vacuolization Cytoplasmic | Minimal |
| | [Hepatodiaphragmatic Nodule | | |
| | TGLs = 1-21, 2-22] | | |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Mild |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|----------------------------------|------------|------------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Hemorrhage | Minimal |
| Mesentery | | Accessory Spleen | Minimal |
| [Accessory Spleen TGLs = 1-21] | | | |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------|----------------------------------|---------|
| * Brain | | Pigmentation | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| * Lung | | Hemorrhage | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Seminal Vesicle | * Skeletal Muscle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------|---------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | | Vacuolization Cytoplasmic | Minimal |
| | [Hepatodiaphragmatic Nodule TGLs = 1-21] | | |
| * Lung | | Hemorrhage | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Mild |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------|----------------------------------|------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| * Prostate | | Infiltration Cellular | Mixed Cell, Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Thymus | | Hemorrhage | Mild |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------|---------------------------|---------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Vacuolization Cytoplasmic | Minimal |
| * Lung | | Hemorrhage | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------|---------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | | Vacuolization Cytoplasmic | Minimal |
| | [Hepatodiaphragmatic Nodule TGLs = 1-21] | | |
| * Lung | | Hemorrhage | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--|----------------------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | | Vacuolization Cytoplasmic | Minimal |
| | [Hepatodiaphragmatic Nodule TGLs = 1-21] | | |
| * Lung | | Hemorrhage | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Trachea | * Urinary Bladder | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------|----------------------------------|----------------|
| * Harderian Gland | | Hemorrhage | Mild |
| | | Inflammation | Acute, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Thyroid Gland | | Ultimobranchial Cyst | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLs = 1-21]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLs = 1-21]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 16

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 17

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 18

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLs = 1-21]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 19

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 20

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex

Brain

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 22

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 24

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
Stomach, Glandular

Brain

* Pituitary Gland

Stomach, Forestomach

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Adrenal Cortex

Accessory Adrenal Cortical Nodule

Mild

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Minimal

Spleen

Note: TGL-3 Spleen deformity present but not tabulated.

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 31

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 32

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 33

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla

Brain

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Adrenal Cortex

Hypertrophy

Moderate

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 34

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 35

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 36

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLs = 2-21]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 37

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 38

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 39

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 40

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Stomach, Forestomach

* Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Moderate

Liver

Inflammation

Chronic, Minimal

[Inflammation TGLs = 2-21]

* Pituitary Gland

Rathkes Cleft

Dilatation

Minimal

[Dilatation TGLs = 3-1]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 41

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | |
|----------|----------------------------------|---------|
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Minimal |
| * Liver | Hematopoietic Cell Proliferation | Minimal |
| * Lung | Hemorrhage | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 42

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | |
|----------|----------------|---------|
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 43

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Peripheral Nerve	* Skeletal Muscle
* Spinal Cord			

OBSERVATIONS

* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Liver	Vacuolization Cytoplasmic	Minimal
* Lung	Hemorrhage	Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 44

TRT#: 9

SEX: Male

DAY ON TEST: 56

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Peripheral Nerve | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- | | |
|--------------------------|----------------------------|
| * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|-------------------|------------|----------------------------------|---------|
| * Brain | | Congestion | Mild |
| | | Hemorrhage | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| * Lung | | Congestion | Mild |
| | | Hemorrhage | Mild |
| * Pancreas | Acinus | Vacuolization Cytoplasmic | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Mild |
| * Thymus | | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 45

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|-------------------|------------|------------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Hemorrhage | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 46

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular
- * Spinal Cord
- * Mammary Gland
- * Peripheral Nerve
- * Skeletal Muscle

OBSERVATIONS

- * Heart
 - * Kidney
 - * Liver
 - * Lung
 - * Pituitary Gland
 - * Stomach, Forestomach
 - * Stomach, Glandular
 - * Thymus
- Note: Lung, alveoli: crystals, hemoglobin, minimal
- Rathkes Cleft
- Cardiomyopathy
 - Nephropathy
 - Inflammation
 - Dilatation
 - Degeneration
 - Hyperplasia
 - Edema
 - Hemorrhage
 - Inflammation
 - Ulcer
 - Hemorrhage
 - Mild
 - Mild
 - Chronic, Minimal
 - Minimal
 - Cystic, Mild
 - Squamous, Mild
 - Mild
 - Mild
 - Chronic, Mild
 - Moderate
 - Minimal

[Hemorrhage TGLs = 1-3]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 47

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|-------------------|---------------|---------------------------|---------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Vacuolization Cytoplasmic | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 48

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|-------------------|---------------|------------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | Minimal |
| * Nose | Olfactory Epi | Degeneration | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 49

TRT#: 9

SEX: Male

DAY ON TEST: 57

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone
- * Bone Marrow
- * Epididymis
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Lung
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Peripheral Nerve
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skeletal Muscle
- * Skin
- * Spinal Cord
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- * Brain
 - Congestion Mild
 - Hemorrhage Mild
- * Kidney
 - Renal Tubule Mineralization Minimal
- * Liver
 - Hepatodiaphragmatic Nodule
- * Pituitary Gland
 - [Hepatodiaphragmatic Nodule TGLs = 1-21]
 - Angiectasis Moderate
 - Pars Distalis Atrophy Mild
 - Rathkes Cleft Dilatation Minimal
 - [Angiectasis TGLs = 2-1]
 - [Dilatation TGLs = 2-1]
- * Thymus
 - Hemorrhage Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 50

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | | | |
|--------------------------|-----------------|--------------------|-------------------|
| * Lymph Node, Mandibular | * Mammary Gland | * Peripheral Nerve | * Skeletal Muscle |
| * Spinal Cord | | | |

OBSERVATIONS

- | | | | |
|-------------------|------------|------------------|---------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Thymus | | Hemorrhage | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 77

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone
- * Bone Marrow
- * Epididymis
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Peripheral Nerve
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skeletal Muscle
- * Skin
- * Spinal Cord
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Lymph Node, Mandibular
- * Mammary Gland

OBSERVATIONS

- * Brain Congestion Minimal
- * Kidney Nephropathy Mild
- * Liver Hepatodiaphragmatic Nodule
- [Hepatodiaphragmatic Nodule TGLs = 1-21]
- * Lung Congestion Minimal
- * Pituitary Gland Dilatation Mild
- Rathkes Cleft Hemorrhage Moderate
- Pars Distalis Necrosis Marked
- [Hemorrhage TGLs = 2-1]
- * Thymus Hemorrhage Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 103849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------|---------|
| * Kidney | Renal Tubule | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 103850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|----------------------|------------------------------|-------------------------------|---------------------|
| * Kidney | Renal Tubule | Mineralization
Nephropathy | Minimal
Moderate |
| * Liver | [Inflammation TGLs = 1-21] | Inflammation | Chronic, Mild |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Stomach, Glandular | | Ulcer | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Heart
- * Intestine Small, Ileum
- * Mammary Gland
- * Peripheral Nerve
- * Skeletal Muscle
- * Stomach, Forestomach
- * Urinary Bladder
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Nose
- * Preputial Gland
- * Skin
- * Testes
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Liver
- * Pancreas
- * Prostate
- * Spinal Cord
- * Thyroid Gland
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Seminal Vesicle
- * Spleen
- * Trachea

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | |
|---|--|
| <ul style="list-style-type: none"> * Brain * Intestine Large, Cecum
 * Kidney * Lung * Pituitary Gland * Salivary Glands * Stomach, Glandular | <ul style="list-style-type: none"> Rathkes Cleft Parotid GI |
| <ul style="list-style-type: none"> * Thymus | <ul style="list-style-type: none"> Congestion Hemorrhage Inflammation Nephropathy Congestion Dilatation Basophilic Focus Erosion Hemorrhage
 Hemorrhage |
| <ul style="list-style-type: none"> [Erosion TGLs = 2-4] [Hemorrhage TGLs = 2-4] [Hemorrhage TGLs = 1-3] | <ul style="list-style-type: none"> Minimal Mild Chronic Active, Mild Mild Minimal Mild Minimal Focal, Mild Mild
 Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 85

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone
- * Bone Marrow
- * Epididymis
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Liver
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Parathyroid Gland
- * Peripheral Nerve
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skeletal Muscle
- * Skin
- * Spinal Cord
- * Testes
- * Thymus
- * Trachea
- * Urinary Bladder

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- * Intestine Small, Jejunum

OBSERVATIONS

- * Brain Hemorrhage Mild
[Hemorrhage TGLs = 1-1]
- * Kidney Renal Tubule Necrosis Mild
- * Lung Congestion Mild
Inflammation Acute, Minimal
- * Pancreas Atrophy Minimal
- * Pituitary Gland Pars Distalis Atrophy Moderate
Rathkes Cleft Dilatation Mild
[Dilatation TGLs = 2-1]
- * Spleen Pigmentation Hemosiderin, Mild
- * Stomach, Forestomach Degeneration Cystic, Moderate
Hyperplasia Squamous, Mild
- * Stomach, Glandular Edema Mild
Pigmentation Mild
- * Thyroid Gland Ultimobranchial Cyst Minimal
[Pigmentation TGLs = 3-21]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 85

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|------------------------|----------------------|--------------------------|--------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | |
|--|----------------------------|----------------|
| * Kidney | Nephropathy | Minimal |
| * Liver | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLs = 1-21] | | |
| * Lung | Congestion | Mild |
| Lymph Node | Hyperplasia | Lymphoid, Mild |
| [Hyperplasia TGLs = 2-3] | | |
| * Spleen | Congestion | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 84

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone
- * Bone Marrow
- * Epididymis
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Liver
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Peripheral Nerve
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Seminal Vesicle
- * Skeletal Muscle
- * Skin
- * Spinal Cord
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- * Intestine Small, Ileum
- * Intestine Small, Jejunum

OBSERVATIONS

- | | | | |
|-------------------|------------|------------------|----------|
| * Brain | | Congestion | Mild |
| | | Hemorrhage | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Congestion | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Mild |
| * Spleen | | Congestion | Mild |
| * Thymus | | Hemorrhage | Moderate |

[Hemorrhage TGLs = 1-3]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 58

TRT#: 11

SEX: Male

DAY ON TEST: 56

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Seminal Vesicle | * Skeletal Muscle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------------------|----------------------------------|---------|
| * Brain | | Congestion | Mild |
| | [Congestion TGLs = 1-1] | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| * Lung | | Congestion | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Thymus | | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 84

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Liver
- * Peripheral Nerve
- * Skeletal Muscle
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Skin
- * Testes
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Nose
- * Prostate
- * Spinal Cord
- * Thyroid Gland
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Parathyroid Gland
- * Seminal Vesicle
- * Stomach, Forestomach
- * Trachea

MISSING

- * Lymph Node, Mandibular
- * Mammary Gland

AUTO PRECLUDES DIAG.

- * Intestine Small, Jejunum

OBSERVATIONS

- | | | | |
|-------------------|---------------------------|---------------------------|---------|
| * Adrenal Cortex | | Hypertrophy | Minimal |
| * Brain | | Congestion | Minimal |
| | | Hemorrhage | Mild |
| | [Hemorrhage TGLs = 1-1] | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Lung | | Congestion | Mild |
| Lymph Node | Pancreatic | Hemorrhage | Minimal |
| * Pancreas | Acinus | Vacuolization Cytoplasmic | Mild |
| * Pituitary Gland | | Angiectasis | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Spleen | | Congestion | Mild |
| * Thymus | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 84

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------|--------|---------------------------|---------|
| * Brain | | Congestion | Mild |
| | | Hemorrhage | Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Congestion | Minimal |
| * Pancreas | Acinus | Vacuolization Cytoplasmic | Minimal |
| * Spleen | | Congestion | Mild |
| * Thymus | | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 61

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver	Inflammation	Chronic, Minimal
* Lung	Hemorrhage	Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 62

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
---------	----------------	---------

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 63

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve | * Pituitary Gland | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | Vagina | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------|-----------------------|----------------------------|
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Liver | | Inflammation | Chronic, Mild |
| * Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Focal, Minimal |
| * Ovary | | Cyst | |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 64

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | |
|---------|----------------------------------|---------|
| * Liver | Hematopoietic Cell Proliferation | Minimal |
| * Lung | Hemorrhage | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 65

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------|--|--|------------------|
| * Liver | | Hepatodiaphragmatic Nodule
Inflammation | Chronic, Minimal |
| | [Hepatodiaphragmatic Nodule TGLs = 1-21] | | |
| * Lung | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 66

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney | * Liver | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Pituitary Gland | * Skeletal Muscle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | Vagina |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------------|------------|------------------|---------|
| * Lung | | Hemorrhage | Minimal |
| * Ovary | | Cyst | |
| [Cyst TGLs = 1-7] | | | |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Uterus | | Dilatation | Mild |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver	Hematopoietic Cell Proliferation	Minimal
* Lung	Hemorrhage	Mild

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 68

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Pituitary Gland |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | Vagina |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|------------|------------------|------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Liver | | Inflammation | Chronic, Minimal |
| * Lung | | Hemorrhage | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 69

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------|----------------|------------------|
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Liver | | Inflammation | Chronic, Minimal |
| * Salivary Glands | Parotid GI | Necrosis | Focal, Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 70

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 103867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Pituitary Gland |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | Vagina | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------|------------------|------------------|
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Liver | | Inflammation | Chronic, Minimal |
| * Lung | | Hemorrhage | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Uterus | | Dilatation | Mild |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 71

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 72

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

* Ovary

Cyst

[Cyst TGLs = 2-7]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 73

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 74

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 75

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Uterus

Dilatation

Minimal

[Dilatation TGLs = 1-7]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 76

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Kidney

* Ovary

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Uterus

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLs = 2-21]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 77

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Lymph Node

Hyperplasia

Lymphoid, Minimal

Note: Mediastinal LN - hyperplasia, minimal, TGL 1-3

[Hyperplasia TGLs = 1-3]

Vagina

Cyst

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 78

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Kidney

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Ovary

Cyst

[Cyst TGLs = 1-7]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 79

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 80

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 103877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

Stomach, Forestomach

Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Uterus

Dilatation

Minimal

[Dilatation TGLs = 1-7]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 81

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Lymph Node

Pancreatic

Infiltration Cellular

Histiocyte, Mild

[Infiltration Cellular TGLs = 1-7]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 82

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 83

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Ovary

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

Brain

Pigmentation

Minimal

* Kidney

Renal Tubule

Mineralization

Minimal

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule

TGLs = 2-21]

* Pituitary Gland

Rathkes Cleft

Dilatation

Minimal

[Dilatation TGLs = 3-1]

Uterus

Dilatation

Mild

[Dilatation TGLs = 1-7]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 84

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Lymph Node

Pancreatic

Infiltration Cellular

Histiocyte, Mild

[Infiltration Cellular TGLs = 1-7]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 85

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Nephropathy

Minimal

Lymph Node

Hemorrhage

Mild

Note: Mediastinal LN, Hemorrhage, mild, TGL 1-3.

[Hemorrhage TGLs = 1-3]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 86

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Kidney

* Ovary

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 87

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 88

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLs = 2-21]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 89

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Ovary

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization

Minimal

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 90

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 103887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

Brain

* Kidney

* Ovary

* Pituitary Gland

* Stomach, Forestomach

* Stomach, Glandular

Vagina

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 91

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular
- * Peripheral Nerve
- * Skeletal Muscle
- * Spinal Cord

OBSERVATIONS

- * Brain
- * Heart
- * Kidney
- * Liver
- * Lymph Node
- * Pituitary Gland
- * Salivary Glands
- Renal Tubule
- Pancreatic
- Rathkes Cleft
- Parotid GI
- Pigmentation
- Cardiomyopathy
- Mineralization
- Nephropathy
- Hematopoietic Cell Proliferation
- Hemorrhage
- Hemorrhage
- Dilatation
- Basophilic Focus
- Minimal
- Minimal
- Minimal
- Minimal
- Minimal
- Mild
- Mild
- Minimal
- Mild

Note: Mediastinal LN - hemorrhage, mild, TGL 2-3

[Hemorrhage TGLs = 2-3]

[Hemorrhage TGLs = 1-7]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 92

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Thymus | * Trachea |
| * Urinary Bladder | * Uterus | Vagina | |

MISSING

- | | | | |
|--------------------------|---------------------|--------------------|-------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland | * Peripheral Nerve | * Skeletal Muscle |
| * Spinal Cord | | | |

OBSERVATIONS

- | | | | |
|----------------------|---------------|----------------------------------|------------------|
| * Brain | | Pigmentation | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| * Pituitary Gland | Pars Distalis | Necrosis | Marked |
| * Stomach, Glandular | | Infiltration Cellular | Eosinophil, Mild |
| | | Inflammation | Chronic, Mild |
| * Thyroid Gland | | Ectopic Thymus | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 93

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|----------|--------------|----------------------------------|---------|
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 94

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|------------------------------|---------------|----------------------------|---------|
| * Brain | | Pigmentation | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Liver | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule | TGLs = 1-21] | | |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Minimal |
| [Dilatation TGLs = 2-1] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 95

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |
| Vagina | | | |

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------------------------|---------|
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 96

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | Vagina | |

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|----------|
| * Brain | | Pigmentation | Minimal |
| * Kidney | | Nephropathy | Moderate |
| [Nephropathy TGLs = 1-5] | | | |
| * Liver | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLs = 3-21] | | | |
| Lymph Node | Pancreatic | Hemorrhage | Mild |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Uterus | | Dilatation | Mild |
| [Dilatation TGLs = 2-7] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 97

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Skin | * Spleen |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | Vagina | |

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|--------------------------|--------------|------------------|----------------|
| * Brain | | Pigmentation | Mild |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Lung | | Hemorrhage | Minimal |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Mild |
| * Stomach, Glandular | | Mineralization | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 98

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|---------------------------|--------------|----------------|---------|
| * Kidney | Renal Tubule | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Lung | | Hemorrhage | Minimal |
| * Pituitary Gland | | Congestion | Mild |
| [Congestion TGLs = 2-1] | | | |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 99

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |
| Vagina | | | |

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|---------------------|--------------|------------------|---------|
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Lung | | Hemorrhage | Minimal |
| * Ovary | | Cyst | |
| [Cyst TGLs = 1-7] | | | |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 100

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 103897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |
| Vagina | | | |

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|---------------------------|---------------|------------------|---------|
| * Brain | | Pigmentation | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Minimal |
| [Dilatation TGLs = 3-1] | | | |
| * Salivary Glands | Parotid GI | Basophilic Focus | Mild |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 101

TRT#: 10

SEX: Female

DAY ON TEST: 43

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | Vagina | | |

MISSING

- | | | |
|--------------------------|--------------------|-------------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle |
|--------------------------|--------------------|-------------------|

AUTO PRECLUDES DIAG.

- * Intestine Small, Jejunum

OBSERVATIONS

- | | | | |
|----------|--------------|----------------------------------|---------|
| * Brain | | Hemorrhage | Mild |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 102

TRT#: 10

SEX: Female

DAY ON TEST: 57

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |
| Vagina | | | |

MISSING

- | | | |
|--------------------------|--------------------|-------------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle |
|--------------------------|--------------------|-------------------|

OBSERVATIONS

- | | | | |
|-------------------|---------------|------------------|----------|
| * Brain | | Pigmentation | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Pituitary Gland | | Angiectasis | Moderate |
| | Rathkes Cleft | Dilatation | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Thymus | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 103

TRT#: 10

SEX: Female

DAY ON TEST: 64

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |
| Vagina | | | |

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|----------|---------------------------|----------------|---------|
| * Brain | | Congestion | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Lung | | Congestion | Mild |
| | [Congestion TGLs = 1-2] | | |
| * Thymus | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 104

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |
| Vagina | | | |

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|-------------------|---------------|------------------|----------|
| * Brain | | Pigmentation | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Atrophy | Moderate |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 105

TRT#: 10

SEX: Female

DAY ON TEST: 58

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | Vagina | | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- * Intestine Small, Ileum

OBSERVATIONS

- | | | | |
|---------------------------|---------------|----------------------------------|--------------|
| * Brain | | Hemorrhage | Minimal |
| | | Pigmentation | Minimal |
| * Intestine Large, Colon | | Hemorrhage | Minimal |
| [Hemorrhage TGLs = 5-4] | | | |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| | Renal Tubule | Necrosis | Mild |
| * Liver | | Hematopoietic Cell Proliferation | Mild |
| | | Necrosis | Minimal |
| | | Vacuolization Cytoplasmic | Mild |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Mild |
| [Dilatation TGLs = 6-1] | | | |
| * Spleen | | Atrophy | Mild |
| * Stomach, Forestomach | | Degeneration | Cystic, Mild |
| * Thymus | | Hemorrhage | Minimal |
| * Thyroid Gland | | Ectopic Thymus | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 106

TRT#: 10

SEX: Female

DAY ON TEST: 44

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone
- * Bone Marrow
- * Clitoral Gland
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Lung
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Ovary
- * Pancreas
- * Parathyroid Gland
- * Salivary Glands
- * Skin
- * Spleen
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus
- Vagina

MISSING

- * Lymph Node, Mandibular
- * Peripheral Nerve
- * Skeletal Muscle
- * Spinal Cord

OBSERVATIONS

- * Brain
- Congestion
- Mild
- * Kidney
- Renal Tubule
- Mineralization
- Minimal
- * Liver
- Hepatodiaphragmatic Nodule
- [Hepatodiaphragmatic Nodule TGLs = 1-21]
- * Pituitary Gland
- Pars Distalis
- Necrosis
- Marked
- * Stomach, Forestomach
- Edema
- Mild
- * Stomach, Glandular
- Edema
- Mild

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 107

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 103904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | Vagina |

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|-------------------|---------------|-----------------------|----------------------------|
| * Brain | | Pigmentation | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Focal, Minimal |
| * Pituitary Gland | Pars Distalis | Atrophy | Moderate |
| | Rathkes Cleft | Dilatation | Minimal |
| * Thymus | | Hemorrhage | Minimal |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 108

TRT#: 10

SEX: Female

DAY ON TEST: 43

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | Vagina | |

MISSING

- | | | | |
|--------------------------|--------------------|-------------------|---------------|
| * Lymph Node, Mandibular | * Peripheral Nerve | * Skeletal Muscle | * Spinal Cord |
|--------------------------|--------------------|-------------------|---------------|

OBSERVATIONS

- | | | | |
|----------|--------------|----------------|---------|
| * Brain | | Hemorrhage | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 109

TRT#: 10

SEX: Female

DAY ON TEST: 86

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | Vagina | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- | | |
|--------------------------|--------------------------|
| * Intestine Large, Cecum | * Intestine Small, Ileum |
|--------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|--------------------------|---------------|---------------------------|----------------|
| * Brain | | Congestion | Mild |
| | | Pigmentation | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Liver | | Vacuolization Cytoplasmic | Minimal |
| * Lung | | Congestion | Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Pituitary Gland | Pars Distalis | Atrophy | Mild |
| | Rathkes Cleft | Dilatation | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 110

TRT#: 10

SEX: Female

DAY ON TEST: 43

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 103907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Peripheral Nerve	* Skeletal Muscle	* Spinal Cord
--------------------------	--------------------	-------------------	---------------

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Kidney	Renal Tubule	Mineralization	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 103908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | Vagina | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------------------------|---------|
| * Brain | | Pigmentation | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 91

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | Vagina | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------|------------------|----------|
| * Brain | | Congestion | Mild |
| | | Pigmentation | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| Lymph Node | Pancreatic | Hemorrhage | Mild |
| * Pituitary Gland | Pars Distalis | Atrophy | Moderate |
| | Rathkes Cleft | Dilatation | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Thymus | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 78

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | Vagina | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------|---------|
| * Brain | | Congestion | Minimal |
| | | Hemorrhage | Mild |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Pituitary Gland | | Angiectasis | Mild |
| | Pars Distalis | Atrophy | Marked |
| * Spinal Cord | | Congestion | Mild |
| * Uterus | | Dilatation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 86

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Parathyroid Gland | * Peripheral Nerve | * Skeletal Muscle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |
| Vagina | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|---------------------------|------------------|------------------|
| * Brain | | Congestion | Minimal |
| | | Pigmentation | Mild |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Lung | | Congestion | Minimal |
| | [Congestion TGLs = 2-2] | | |
| * Pancreas | | Inflammation | Chronic, Minimal |
| * Pituitary Gland | Pars Distalis | Atrophy | Mild |
| | Rathkes Cleft | Dilatation | Moderate |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Thymus | | Hemorrhage | Mild |
| | [Hemorrhage TGLs = 1-3] | | |

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 37

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone
- * Bone Marrow
- * Clitoral Gland
- * Esophagus
- * Eye
- * Harderian Gland
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Liver
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Ovary
- * Pancreas
- * Parathyroid Gland
- * Peripheral Nerve
- * Pituitary Gland
- * Skeletal Muscle
- * Skin
- * Spinal Cord
- * Spleen
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus
- * Vagina

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- * Brain Congestion Mild
- * Heart Cardiomyopathy Minimal
- * Kidney Renal Tubule Mineralization Minimal
- * Lung Congestion Mild
- [Congestion TGLs = 2-2]
- * Salivary Glands Parotid GI Basophilic Focus Minimal
- * Stomach, Forestomach Degeneration Cystic, Mild
- * Stomach, Glandular Edema Mild
- [Hemorrhage TGLs = 1-4]
- * Thymus Hemorrhage Minimal
- [Hemorrhage TGLs = 1-4]
- * Thymus Hemorrhage Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 36

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------|--------------|------------------|---------|
| * Brain | | Congestion | Mild |
| | | Hemorrhage | Mild |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 37

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone
- * Bone Marrow
- * Clitoral Gland
- * Esophagus
- * Eye
- * Harderian Gland
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Liver
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Ovary
- * Pancreas
- * Parathyroid Gland
- * Peripheral Nerve
- * Pituitary Gland
- * Skeletal Muscle
- * Skin
- * Spinal Cord
- * Spleen
- * Stomach, Forestomach
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus
- Vagina

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- * Brain
- Congestion
- Mild
- * Heart
- Cardiomyopathy
- Minimal
- * Kidney
- Renal Tubule
- Degeneration
- Minimal
- Renal Tubule
- Mineralization
- Minimal
- * Lung
- Congestion
- Mild
- * Salivary Glands
- Parotid GI
- Basophilic Focus
- Minimal
- * Stomach, Glandular
- Edema
- Mild
- Hemorrhage
- Minimal

[Hemorrhage TGLs = 1-4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Bone
- * Bone Marrow
- * Clitoral Gland
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Liver
- * Lung
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Ovary
- * Pancreas
- * Parathyroid Gland
- * Peripheral Nerve
- * Skeletal Muscle
- * Skin
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus
- * Vagina

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- * Brain
- * Hemorrhage
- * Mild
- * Kidney
- * Renal Tubule
- * Mineralization
- * Minimal
- * Pituitary Gland
- * Rathkes Cleft
- * Dilatation
- * Mild
- * Salivary Glands
- * Parotid GI
- * Basophilic Focus
- * Minimal
- * Spinal Cord
- * Congestion
- * Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 81

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Liver | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Peripheral Nerve | * Skeletal Muscle | * Skin |
| * Spinal Cord | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | Vagina |

MISSING

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

AUTO PRECLUDES DIAG.

- * Intestine Small, Ileum

OBSERVATIONS

- | | | | |
|-------------------|---------------|------------------|---------|
| * Brain | | Congestion | Minimal |
| | | Pigmentation | Minimal |
| * Kidney | Renal Tubule | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Pituitary Gland | Rathkes Cleft | Dilatation | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Mild |
| * Spleen | | Atrophy | Mild |
| * Thymus | | Hemorrhage | Minimal |

[Hemorrhage TGLs = 1-3]

Experiment Number: 99037 - 03

Test Type: 90-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: 09/20/2016

Time Report Requested: 11:43:53

First Dose M/F: 08/13/02 / 08/12/02

Lab: SRI

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 103917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Liver |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Peripheral Nerve | * Pituitary Gland | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | Vagina | | |

MISSING

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

OBSERVATIONS

- | | | | |
|----------------------|------------|------------------|---------|
| * Brain | | Congestion | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Congestion | Mild |
| * Salivary Glands | Parotid GI | Basophilic Focus | Minimal |
| * Stomach, Glandular | | Edema | Mild |

*** END OF REPORT ***