

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:55  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C99037
<b>Lock Date:</b>	01/24/2002
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:55  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 18
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB442M-1

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

* Mammary Gland	* Parathyroid Gland	* Thymus
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**INSUFFICIENT TISSUE**

\* Larynx

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**OBSERVATIONS**

\* Preputial GI  
Note: slide 2

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 18
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB442M-4

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

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**MISSING**

* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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**INSUFFICIENT TISSUE**

* Larynx	* Thyroid Gland
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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 5

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-5

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**INSUFFICIENT TISSUE**

\* Larynx

**OBSERVATIONS**

\* Eye

Note: no optic nerve in section

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

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**ANIMAL ID:** 11

**TRT#:** 2

**DOSE:** 1.0 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 12

**TRT#:** 2

**DOSE:** 1.0 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 13

**TRT#:** 2  
**DOSE:** 1.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18  
**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 14

**TRT#:** 2  
**DOSE:** 1.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18  
**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 15

**TRT#:** 2

**DOSE:** 1.0 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 21

**TRT#:** 3

**DOSE:** 3.0 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 22

**TRT#:** 3

**DOSE:** 3.0 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 23

**TRT#:** 3  
**DOSE:** 3.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18  
**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 24

**TRT#:** 3

**DOSE:** 3.0 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 25

**TRT#:** 3  
**DOSE:** 3.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18  
**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**ANIMAL ID:** 31

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 10.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**ANIMAL ID:** 32

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 10.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 33

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 10.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**ANIMAL ID:** 34

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 10.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**ANIMAL ID:** 35

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 10.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 41

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 30.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-41

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain, NOS  
\* Gallbladder  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Liver  
\* Nose  
\* Preputial Gland  
\* Skeletal Muscle  
\* Spleen  
\* Thymus

\* Adrenal Medulla  
\* Epididymis  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lung  
\* Pancreas  
\* Prostate  
\* Skin  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Bone  
\* Esophagus  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mandibular  
\* Peripheral Nerve, Sciatic  
\* Salivary Glands  
\* Spinal Cord, Cervical  
\* Stomach, Glandular  
\* Trachea

\* Bone Marrow  
\* Eye  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Larynx  
\* Lymph Node, Mesenteric  
\* Pituitary Gland  
\* Seminal Vesicle  
\* Spinal Cord, Lumbar  
\* Testes  
\* Urinary Bladder

**MISSING**

\* Blood Vessel

\* Mammary Gland

\* Parathyroid Gland

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 42

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 30.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-42

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**INSUFFICIENT TISSUE**

\* Larynx

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 18
	<b>DOSE:</b> 30.0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB442M-43

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 44

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 30.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-44

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**INSUFFICIENT TISSUE**

\* Gallbladder

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 45

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 18

**DOSE:** 30.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-45

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Larynx	* Mammary Gland
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**OBSERVATIONS**

\* Eye

Note: no optic nerve in sections

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 51

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 15

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** MB442M-51

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Larynx	* Mammary Gland	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

\* Liver  
Note: TGL1 - NCL  
Tissue NOS  
Note: TGL2 - NCL (tongue)

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014

Time Report Requested: 07:36:56

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 52

TRT#: 6

SEX: Male

DAY ON TEST: 16

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: MB442M-52

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Bone Marrow

\* Eye

\* Intestine Large, Cecum

\* Kidney

\* Lymph Node, Mesenteric

\* Peripheral Nerve, Sciatic

\* Salivary Glands

\* Spinal Cord, Cervical

\* Testes

\* Urinary Bladder

\* Adrenal Medulla

\* Brain, NOS

\* Gallbladder

\* Intestine Large, Colon

\* Liver

\* Nose

\* Pituitary Gland

\* Seminal Vesicle

\* Spinal Cord, Lumbar

\* Thymus

\* Blood Vessel

\* Epididymis

\* Harderian Gland

\* Intestine Large, Rectum

\* Lung

\* Pancreas

\* Preputial Gland

\* Skeletal Muscle

\* Spleen

\* Thyroid Gland

\* Bone

\* Esophagus

\* Heart

\* Islets, Pancreatic

\* Lymph Node, Mandibular

\* Parathyroid Gland

\* Prostate

\* Skin

\* Stomach, Forestomach

\* Trachea

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Stomach, Glandular

**INSUFFICIENT TISSUE**

\* Larynx

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 53

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 11

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** MB442M-53

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**AUTO PRECLUDES DIAG.**

* Gallbladder	* Intestine Small, Jejunum	* Nose	* Stomach, Glandular
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**INSUFFICIENT TISSUE**

\* Larynx

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 54

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 10

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** MB442M-54

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Salivary Glands	* Stomach, Glandular

**INSUFFICIENT TISSUE**

\* Larynx

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 55

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 11

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** MB442M-55

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

- |                   |                 |
|-------------------|-----------------|
| * Adrenal Medulla | * Mammary Gland |
|-------------------|-----------------|

**AUTO PRECLUDES DIAG.**

- |                          |                             |                          |                            |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Stomach, Glandular     |                             |                          |                            |

**INSUFFICIENT TISSUE**

- |                  |          |
|------------------|----------|
| * Adrenal Cortex | * Larynx |
|------------------|----------|

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 18
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB442M-6

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 18
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB442M-7

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

\* Gallbladder

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**INSUFFICIENT TISSUE**

\* Larynx

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
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PRIMARY CAUSE OF DEATH

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-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 18
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB442M-8

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

* Gallbladder	* Parathyroid Gland
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**INSUFFICIENT TISSUE**

\* Larynx

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Eye			
Note: no optic nerve in section			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 9

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-9

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**INSUFFICIENT TISSUE**

\* Larynx

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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<b>ANIMAL ID:</b> 10	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 18
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB442M-10

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

\* Clitoral Gland

---

**INSUFFICIENT TISSUE**

\* Larynx

---

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Eye			
Note: no optic nerve in sections			

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

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**ANIMAL ID:** 16

**TRT#:** 8

**DOSE:** 1.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

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**ANIMAL ID:** 17

**TRT#:** 8

**DOSE:** 1.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

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**ANIMAL ID:** 18

**TRT#:** 8

**DOSE:** 1.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 19

**TRT#:** 8

**DOSE:** 1.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 20

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 1.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 26

**TRT#:** 9

**DOSE:** 3.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 27

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 3.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 28

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 3.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 29

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 3.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 30

**TRT#:** 9

**DOSE:** 3.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 36

**TRT#:** 10

**DOSE:** 10.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 37

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 10.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 38

**TRT#:** 10

**DOSE:** 10.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 39

**TRT#:** 10

**DOSE:** 10.0 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 18

**HISTO:**

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 40

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 10.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 46

**TRT#:** 11

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 30.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-46

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 47

**TRT#:** 11

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 30.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-47

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 48

**TRT#:** 11

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 30.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-48

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**ANIMAL ID:** 49

**TRT#:** 11

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 30.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-49

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

---

**ANIMAL ID:** 50

**TRT#:** 11

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 30.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-50

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 56

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 11

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** MB442M-56

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
\* Brain, NOS  
\* Harderian Gland  
\* Islets, Pancreatic  
\* Lung  
\* Nose  
\* Peripheral Nerve, Sciatic  
\* Skin  
\* Stomach, Forestomach  
\* Urinary Bladder

\* Blood Vessel  
\* Clitoral Gland  
\* Heart  
\* Kidney  
\* Lymph Node, Mandibular  
\* Ovary  
\* Pituitary Gland  
\* Spinal Cord, Cervical  
\* Thymus  
\* Uterus

\* Bone  
\* Esophagus  
\* Intestine Large, Colon  
\* Larynx  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Salivary Glands  
\* Spinal Cord, Lumbar  
\* Thyroid Gland

\* Bone Marrow  
\* Eye  
\* Intestine Large, Rectum  
\* Liver  
\* Mammary Gland  
\* Parathyroid Gland  
\* Skeletal Muscle  
\* Spleen  
\* Trachea

**AUTO PRECLUDES DIAG.**

\* Gallbladder  
\* Intestine Small, Jejunum

\* Intestine Large, Cecum  
\* Stomach, Glandular

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

**OBSERVATIONS**

\* Adrenal Cortex

Subcapsular

Hyperplasia

Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 57

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 16

**DOSE:** 100 MG/KG

**DISP:** Natural Death

**HISTO:** MB442M-57

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain, NOS	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Skeletal Muscle	* Skin
* Spinal Cord, Cervical	* Spinal Cord, Lumbar	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Adrenal Medulla

**AUTO PRECLUDES DIAG.**

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Salivary Glands	* Stomach, Glandular	* Uterus	

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 58

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-58

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 07:36:56

**First Dose M/F:** NA / NA

**Lab:** MBA

**ANIMAL ID:** 59

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-59

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
\* Brain, NOS  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mandibular  
\* Ovary  
\* Pituitary Gland  
\* Spinal Cord, Cervical  
\* Stomach, Glandular  
\* Urinary Bladder

\* Blood Vessel  
\* Esophagus  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Salivary Glands  
\* Spinal Cord, Lumbar  
\* Thymus  
\* Uterus

\* Bone  
\* Eye  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Liver  
\* Mammary Gland  
\* Parathyroid Gland  
\* Skeletal Muscle  
\* Spleen  
\* Thyroid Gland

\* Bone Marrow  
\* Gallbladder  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lung  
\* Nose  
\* Peripheral Nerve, Sciatic  
\* Skin  
\* Stomach, Forestomach  
\* Trachea

**MISSING**

\* Clitoral Gland                      \* Larynx

**OBSERVATIONS**

\* Adrenal Cortex                      Subcapsular                      Hyperplasia                      Focal, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99037-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 07:36:56  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**ANIMAL ID:** 60

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 18

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB442M-60

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Larynx

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland		Ectopic Thymus	Mild

PRIMARY CAUSE OF DEATH

-

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE