

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
Lab: SRI

C Number:	C99037B
Lock Date:	04/04/2003
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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 |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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 |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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
----------	-------------	---------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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	
----------	-------------	---------	--

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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
----------	-------------	---------

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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	
----------	-------------	---------	--

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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
----------	-------------	---------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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	
----------	-------------	---------	--

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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	
----------	-------------	---------	--

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
Stomach, Forestomach

* Adrenal Medulla
Stomach, Glandular

Brain

* Pituitary Gland

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
Stomach, Forestomach

* Adrenal Medulla
Stomach, Glandular

Brain

* Pituitary Gland

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
Stomach, Forestomach

* Adrenal Medulla
Stomach, Glandular

Brain

* Pituitary Gland

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
Stomach, Forestomach

* Adrenal Medulla
Stomach, Glandular

Brain

* Pituitary Gland

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization
Nephropathy

Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
Stomach, Forestomach

* Adrenal Medulla
Stomach, Glandular

Brain

* Pituitary Gland

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
* Kidney

Accessory Adrenal Cortical Nodule
Nephropathy

Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
Stomach, Forestomach

* Adrenal Medulla
Stomach, Glandular

Brain

* Pituitary Gland

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
Stomach, Forestomach

* Adrenal Medulla
Stomach, Glandular

Brain

* Pituitary Gland

MISSING

Peripheral Nerve

Skeletal Muscle

Spinal Cord

OBSERVATIONS

* Kidney

Renal Tubule

Mineralization
Nephropathy

Minimal
Minimal

Spleen

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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	
----------	-------------	---------	--

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
* Brain
* Harderian Gland
* Intestine Small, Duodenum
* Lung
* Pancreas
* Prostate
* Spleen
* Thymus

* Adrenal Medulla
* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mesenteric
* Parathyroid Gland
* Salivary Glands
* Stomach, Forestomach
* Thyroid Gland

* Bone
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Mammary Gland
* Pituitary Gland
* Seminal Vesicle
* Stomach, Glandular
* Trachea

* Bone Marrow
* Eye
* Intestine Large, Rectum
* Liver
* Nose
* Preputial Gland
* Skin
* Testes
* Urinary Bladder

MISSING

* Lymph Node, Mandibular

* Peripheral Nerve

* Skeletal Muscle

* Spinal Cord

OBSERVATIONS

* Heart
* Kidney

Cardiomyopathy
Nephropathy

Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
- * Epididymis
- * Intestine Large, Cecum
- * Lymph Node, Mesenteric
- * Peripheral Nerve
- * Seminal Vesicle
- * Spleen
- * Thyroid Gland

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Mammary Gland
- * Pituitary Gland
- * Skeletal Muscle
- * Stomach, Forestomach
- * Trachea

- * Bone
- * Eye
- * Intestine Large, Rectum
- * Nose
- * Preputial Gland
- * Skin
- * Stomach, Glandular
- * Urinary Bladder

- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Parathyroid Gland
- * Prostate
- * Spinal Cord
- * Testes

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

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

[Hemorrhage TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
* Epididymis
* Heart
* Lung
* Pancreas
* Prostate
* Skin
* Stomach, Glandular
* Urinary Bladder

* Adrenal Medulla
* Esophagus
* Intestine Large, Cecum
* Lymph Node, Mesenteric
* Parathyroid Gland
* Salivary Glands
* Spinal Cord
* Testes

* Bone
* Eye
* Intestine Large, Rectum
* Mammary Gland
* Peripheral Nerve
* Seminal Vesicle
* Spleen
* Thyroid Gland

* Bone Marrow
* Harderian Gland
* Intestine Small, Duodenum
* Nose
* Preputial Gland
* Skeletal Muscle
* Stomach, Forestomach
* Trachea

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Colon

* Intestine Small, Ileum

* Intestine Small, Jejunum

OBSERVATIONS

* Brain
* Kidney
* Liver
* Pituitary Gland
* Thymus

Renal Tubule
Pars Distalis
Rathkes Cleft

Congestion
Hemorrhage
Mineralization
Hepatodiaphragmatic Nodule
Angiectasis
Atrophy
Dilatation
Hemorrhage

Mild
Mild
Minimal
Moderate
Mild
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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	Rathkes Cleft	Dilatation	Mild
	Pars Distalis	Hemorrhage	Moderate
	Pars Distalis	Necrosis	Marked
	[Hemorrhage TGLS = 2-1]		
* Thymus		Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 54

TRT#: 11

DOSE: 100 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 92

HISTO: 103851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* 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	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Congestion	Minimal
* Intestine Large, Cecum		Hemorrhage	Mild
		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Mild
* Lung		Congestion	Minimal
* Pituitary Gland	Rathkes Cleft	Dilatation	Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Minimal
* Stomach, Glandular		Erosion	Focal, Mild
		Hemorrhage	Mild
	[Erosion TGLS = 2-4]		
	[Hemorrhage TGLS = 2-4]		
* Thymus		Hemorrhage	Mild
	[Hemorrhage TGLS = 1-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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
[Pigmentation TGLS = 3-21]			
* Thyroid Gland		Ultimobranchial Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Liver	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

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

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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 |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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
---------	----------------	---------

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 93

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 93

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 93

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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
----------	--------------	----------------	---------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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
----------	--------------	----------------	---------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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		Pigmentation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
Lymph Node	Pancreatic	Hemorrhage	Mild
		Hemorrhage	Mild
Note: Mediastinal LN - hemorrhage, mild, TGL 2-3 [Hemorrhage TGLS = 1-7] [Hemorrhage TGLS = 2-3]			
* Pituitary Gland	Rathkes Cleft	Dilatation	Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:29
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:29

First Dose M/F: NA / NA

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]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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
* Brain
* Harderian Gland
* Intestine Large, Rectum
* Liver
* Ovary
* Skin
* Thymus
* Uterus

* Adrenal Medulla
* Clitoral Gland
* Heart
* Intestine Small, Duodenum
* Lymph Node, Mesenteric
* Pancreas
* Spleen
* Thyroid Gland
Vagina

* Bone
* Esophagus
* Intestine Large, Cecum
* Intestine Small, Ileum
* Mammary Gland
* Parathyroid Gland
* Stomach, Forestomach
* Trachea

* Bone Marrow
* Eye
* Intestine Large, Colon
* Intestine Small, Jejunum
* Nose
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

MISSING

* Lymph Node, Mandibular

* Peripheral Nerve

* Skeletal Muscle

* Spinal Cord

OBSERVATIONS

* Kidney
* Lung
* Pituitary Gland
[Congestion TGLS = 2-1]

Renal Tubule

Mineralization
Nephropathy
Hemorrhage
Congestion

Minimal
Mild
Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:30
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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

* Clitoral Gland

* Heart

* Intestine Small, Duodenum

* Lung

* Ovary

* Spleen

* Thyroid Gland

Vagina

* Adrenal Medulla

* Esophagus

* Intestine Large, Cecum

* Intestine Small, Ileum

* Lymph Node, Mesenteric

* Pancreas

* Stomach, Forestomach

* Trachea

* Bone

* Eye

* Intestine Large, Colon

* Intestine Small, Jejunum

* Mammary Gland

* Parathyroid Gland

* Stomach, Glandular

* Urinary Bladder

* Bone Marrow

* Harderian Gland

* Intestine Large, Rectum

* Liver

* Nose

* Skin

* Thymus

* Uterus

MISSING

* Lymph Node, Mandibular

* Peripheral Nerve

* Skeletal Muscle

* Spinal Cord

OBSERVATIONS

* Brain

* Kidney

* Pituitary Gland

[Dilatation TGLS = 3-1]

* Salivary Glands

Renal Tubule

Rathkes Cleft

Parotid GI

Pigmentation

Mineralization

Dilatation

Basophilic Focus

Minimal

Minimal

Minimal

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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 |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:30
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:30
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 10

DOSE: 75 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 58

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	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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
- * Clitoral Gland
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Ovary
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Pancreas
- * Skin
- * Thymus
- * Uterus

- * Bone
- * Eye
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Parathyroid Gland
- * Spleen
- * Thyroid Gland
- Vagina

- * Bone Marrow
- * Harderian Gland
- * Intestine Large, Rectum
- * Liver
- * Nose
- * Pituitary Gland
- * Stomach, Forestomach
- * Trachea

MISSING

* Lymph Node, Mandibular

* Peripheral Nerve

* Skeletal Muscle

* Spinal Cord

OBSERVATIONS

* Brain

Hemorrhage

Minimal

* Kidney

Renal Tubule

Mineralization

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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 |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:30
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:30
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:30
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:30
First Dose M/F: NA / NA
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	Minimal
[Hemorrhage TGLS = 1-4]			
* Thymus		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/20/2014
Time Report Requested: 16:22:30
First Dose M/F: NA / NA
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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:22:30

First Dose M/F: NA / NA

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

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE