Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

C Number: C99037

Lock Date: 01/24/2002

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Alimentary System

Intestine Large, Cecum Intestine Large, Colon Intestine Large, Rectum Intestine Small, Duodenum Intestine Small, Ileum Intestine Small, Jejunum

Esophagus

Liver
Pancreas
Salivary Glands
Stomach, Forestomach

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male	DAY ON TEST	0 0 1	0 0 1	0 0 1	0 0 1	0 0 1	
VEHICLE CONTROL	ANIMAL ID	0 0	0 0	0 0	0 0	0 0	

ANIMAL ID	0 1 7 0 0 0 0 1	0 1 7 0 0 0 0 2	0 1 7 0 0 0 0 3	0 1 7 0 0 0 0 4	0 1 7 0 0 0 0 5	*TOTALS
						E
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5

Stomach, Glandular Cardiovascular System

Blood Vessel	+	+	+	+	+
Heart	+	+	+	+	+

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5 5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male VEHICLE CONTROL Pituitary Gland	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 0 1 +	0 0 1 7 0 0 0 0 0 2	0 0 1 7 0 0 0 0 0 3	0 0 1 7 0 0 0 0 4	0 0 1 7 0 0 0 0 5	*TOTALS
Thyroid Gland		+	+	+	+	+	5
General Body System		т	т	т	т	т	3
NONE Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	М	+	+	4
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		М	М	М	М	М	0
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		М	М	+	+	+	3
Skin		+	+	+	+	+	5
Musculoskeletal System							

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 0 0	0 0 1 7 0 0 0 0 0	0 0 1 7 0 0 0 0 0 3	0 0 1 7 0 0 0 0 4	0 0 1 7 0 0 0 0 0 5	*TOTALS
Bone		+	+	+	+	+	5
Skeletal Muscle		+	+	+	+	+	5
Nervous System							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		+	+	1	1	+	3
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							

Multiple Organ

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Male 1.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Time Report Requested: 20:56:59

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Male 1.0 MG/KG

Test Type: 14-DAY

Route: GAVAGE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Date Report Requested: 10/22/2014

Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Male 3.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Time Report Requested: 20:56:59

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Male 3.0 MG/KG

Test Type: 14-DAY

Route: GAVAGE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 76231-76-0

Time Report Requested: 20:56:59

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: MBA

F 344	/N Rat Male
10.0	MG/KG

DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
ANIIMAAL ID	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
	1	2	3	4	5	*TOTAL

Alimentary System

Liver + 1

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE CAS Number: 76231-76-0

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

First Dose M/F: NA / NA Lab: MBA

Date Report Requested: 10/22/2014

Time Report Requested: 20:56:59

	DAY ON TEST	0	0	0	0	0	
F 344/N Rat Male		0	0	0	0	0	
10.0 MG/KG		7	7	7	7	7	
	ANIMAL ID	0	0	0	0	0	
	AMINALID	0	0	0	0	0	ĺ
		0	0	0	0	0	
		3	3	3	3	3	

1 | 2 | 3 | 4 | 5 | *TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + 1

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Date Report Requested: 10/22/2014

Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Male 30.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Time Report Requested: 20:56:59

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Male 30.0 MG/KG

Test Type: 14-DAY

Route: GAVAGE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 100 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 5 1	0 0 1 7 0 0 0 5 2	0 0 1 7 0 0 0 5 3	0 0 1 0 0 0 0 5 4	0 0 1 7 0 0 0 5 5	*TOTALS
Alimentary System							
Esophagus		+	+	+	+	+	5
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Pancreas		+	+	+	+	+	5
Salivary Glands		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
Blood Vessel		+	+	+	+	+	5
Heart		+	+	+	+	+	5
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		М	+	+	М	+	3

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 100 MG/KG	DAY ON TEST	0 0 1 7 0 0 0 5 1	0 0 1 7 0 0 0 5 2	0 0 1 7 0 0 0 5 3	0 0 1 0 0 0 0 5 4	0 0 1 7 0 0 0 5 5	*TOTALS
Pituitary Gland Thyroid Gland		+	+	+	+	+	5 5
General Body System		Т.	_	_	_	т	3
NONE Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		M	+	+	+	+	4
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		М	М	M	М	М	0
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		+	М	М	+	М	2
Skin		+	+	+	+	+	5
Musculoskeletal System							

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 100 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 5 1	0 0 1 7 0 0 0 5 2	0 0 1 7 0 0 0 5 3	0 0 1 0 0 0 0 5 4	0 0 1 7 0 0 0 5 5	*TOTALS
Bone		+	+	+	+	+	5
Skeletal Muscle		+	+	+	+	+	5
Nervous System							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		+	+	+	I	I	3
Lung		+	+	+	+	+	5
Nose		+	+	+	Α	+	4
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

END OF MALE DATA

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female
VEHICLE CONTROL

Alimentary System

Liver **Pancreas** Salivary Glands Stomach, Forestomach Stomach, Glandular **Cardiovascular System**

Blood Vessel

Endocrine System Adrenal Cortex

Adrenal Medulla

Islets, Pancreatic

Parathyroid Gland

Heart

F 344/N Rat Female FEHICLE CONTROL	ANIMAL ID	0 0 1 7 0 0 0 0 6	0 0 1 7 0 0 0 7	0 0 1 7 0 0 0 0 8	0 0 1 7 0 0 0 0 9	0 0 1 7 0 0 0 1 0	*TOTALS_
limentary System							
Esophagus		+	+	+	+	+	5
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Pancreas		+	+	+	+	+	5
Salivary Glands		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
ardiovascular System							

DAY ON TECT A A A A A

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5 5

5

5 5

3

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 0 6	0 0 1 7 0 0 0 0 7	0 0 1 7 0 0 0 0 0 8	0 0 1 7 0 0 0 0 0 9	0 0 1 7 0 0 0 0 1 0	*TOTALS_
Thyroid Gland General Body System		+	+	+	+	+	5
NONE Genital System							
Clitoral Gland		+	+	+	+	+	5
Ovary		+	+	+	+	+	5
Uterus Hematopoietic System		+	+	+	+	+	5
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		М	М	М	М	М	0
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus Integumentary System		+	+	+	+	+	5
							E
Mammary Gland Skin		+	+	+	+	+	5 5
Musculoskeletal System		т	т	т	т	т	3
Bone		+	+	+	+	+	5
Skeletal Muscle		+	+	+	+	+	5

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female VEHICLE CONTROL	DAY ON TEST	0 0 1 7 0 0	0 0 1 7 0 0	0 0 1 7 0 0	0 0 1 7 0 0	0 0 1 7 0 0 0	
		06	0 7	0 8	0 9	0	*TOTALS
Nervous System							,
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		I	I	I	I	+	1
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5

SYSTEMIC LESIONS

Multiple Organ

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Date Report Requested: 10/22/2014

Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Test Type: 14-DAY **Route:** GAVAGE

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Female 1.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Date Report Requested: 10/22/2014

Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Female 1.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Female 3.0 MG/KG

Species/Strain: Rat/F 344/N

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Female 3.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M .. Missing tissue

A .. Autolysis precludes evaluation

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Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Female 10.0 MG/KG

Species/Strain: Rat/F 344/N

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

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M ..Missing tissue

A .. Autolysis precludes evaluation

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P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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Lab: MBA

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Female 10.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

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P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Female 30.0 MG/KG

Species/Strain: Rat/F 344/N

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

X .. Lesion present

I ..Insufficient tissue

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Lab: MBA

DAY ON TEST

F 344/N Rat Female 30.0 MG/KG

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

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I ..Insufficient tissue

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P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 100 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 5 6	0 0 1 7 0 0 0 5 7	0 0 1 7 0 0 0 5 8	0 0 1 7 0 0 0 5 9	0 0 1 7 0 0 0 6 0	*TOTALS
Alimentary System							
Esophagus		+	+	+	+	+	5
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Pancreas		+	+	+	+	+	5
Salivary Glands		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
Blood Vessel		+	+	+	+	+	5
Heart		+	+	+	+	+	5
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		+	М	+	+	+	4

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

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P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 100 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 5 6	0 0 1 7 0 0 0 5 7	0 0 1 7 0 0 0 5 8	0 0 1 7 0 0 0 5 9	0 0 1 7 0 0 0 6 0	*TOTALS
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland		+	+	+	+	+	5
General Body System							
NONE							
Genital System							
Clitoral Gland		+	+	+	+	+	5
Ovary		+	+	+	+	+	5
Uterus		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		M	М	М	М	М	0
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		+	+	+	+	+	5
Skin		+	+	+	+	+	5
Musculoskeletal System							
Bone		+	+	+	+	+	5
Skeletal Muscle		+	+	+	+	+	5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 100 MG/KG	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
	ANIMAL ID	00056	0 0 5 7	0 0 0 5 8	0 0 5 9	0 0 6 0	*TOTALS_
Nervous System							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		+	+	+	+	I	4
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5
							** END OF REPORT **

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^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue