P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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 1	0 0 1 7 0 0 0 0 2	0 0 1 7 0 0 0 0 3	0 0 1 7 0 0 0 0 4	0 0 1 7 0 0 0 0 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		+	+	+	+	+	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

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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 1	0 0 1 7 0 0 0 0 2	0 0 1 7 0 0 0 0 3	0 0 1 7 0 0 0 0 4	0 0 1 7 0 0 0 0 5	*TOTALS
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland		+	+	+	+	+	5
General Body System							
NONE							
Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	Μ	+	+	4
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		Μ	Μ	Μ	Μ	Μ	0
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		М	Μ	+	+	+	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

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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 1	0 0 1 7 0 0 0 0 2	0 0 1 7 0 0 0 0 3	0 0 1 7 0 0 0 0 4	0 0 1 7 0 0 0 0 5	*TOTALS
Bone Observed Museula		+	+	+	+	+	5
Skeletal Muscle Nervous System		+	+	+	+	+	5
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		+	+	Т	Т	+	3
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5
Multiple Organ		+	+	+	+	+	5

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

<b>Test Type:</b> 14-DAY <b>Route:</b> GAVAGE <b>Species/Strain:</b> Rat/F 344/N	1		P04: NEOPLASMS Test Compound CAS Nu
	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			

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

DPLASMS BY INDIVIDUAL ANIMAL ompound: alpha/beta Thujone mixture CAS Number: 76231-76-0 Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

Page 5

M .. Missing tissue

A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 99037-01			P04: NEOPLASMS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/22/2014
Test Type: 14-DAY			Test Compound: alpha/beta Thujone mixture	Time Report Requested: 20:56:53
Route: GAVAGE			CAS Number: 76231-76-0	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
	DAY ON TEST			
F 344/N Rat Male				
1.0 MG/KG				
	ANIMAL ID			
		*TOTALS		
Respiratory System				
NONE				
Special Senses System				
NONE				
Urinary System				
NONE				
SYSTEMIC LESIONS				
Multiple Organ		0		

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-01	P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N	Test Compound: alpha/beta Thujone mixture CAS Number: 76231-76-0
DAY ON TEST	
F 344/N Rat Male	
3.0 MG/KG	
ANIMAL ID	
Alline and anno Questions	*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	

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-01			P04: NEOPLASMS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/22/2014
Test Type: 14-DAY			Test Compound: alpha/beta Thujone mixture	Time Report Requested: 20:56:53
Route: GAVAGE			CAS Number: 76231-76-0	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
	DAY ON TEST			
F 344/N Rat Male				
3.0 MG/KG				
	ANIMAL ID			
		*TOTALS		
Respiratory System				
NONE				
Special Senses System				
NONE				
Urinary System				
NONE				
SYSTEMIC LESIONS				
Multiple Organ		0		

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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	
	ANIMAL ID	0 0 0 3 1	0 0 0 3 2	0 0 0 3 3	0 0 0 3 4	0 0 0 3 5	*TOTALS
Alimentary System				-			
Liver Cardiovascular System		+					1
NONE Endocrine System							
NONE General Body System							
NONE Genital System							
NONE Hematopoietic System							
NONE Integumentary System							
NONE Musculoskeletal System							
NONE							
Nervous System							

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

	DAY ON TEST	0	0	0	0	0	
F 344/N Rat Male		0	0	0	0	0	
10.0 MG/KG		1 7	1 7	1 7	1 7	1 7	
	ANIMAL ID	0	0	0	0	0	
		0 0	0 0	0	0	0	
		3 1	3	3	3 4	3 5	<b>*TOTALS</b>

+

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

### NONE SYSTEMIC LESIONS

Multiple Organ

\* .. 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 BLANK ..Not examined microscopically

1

Experiment Number: 99037-01 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N			P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: alpha/beta Thujone mixture CAS Number: 76231-76-0	Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA
F 344/N Rat Male 30.0 MG/KG	DAY ON TEST 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				

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-01 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N			P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: alpha/beta Thujone mixture CAS Number: 76231-76-0	Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA
	DAY ON TEST			
F 344/N Rat Male				
30.0 MG/KG				
	ANIMAL ID			
		*TOTALS		
Respiratory System				
NONE				
Special Senses System				
NONE				
Urinary System				
NONE				
SYSTEMIC LESIONS				
Multiple Organ		0		

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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	<i>0</i> <i>0</i> <i>1</i> <i>7</i> 0 0 0 5 2	0 0 1 7 0 0 0 5 3	0 0 1 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

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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	0 0 1 7 0 0 0 5	0 0 1 7 0 0 0 5	0 0 1 0 0 0 5	0 0 1 7 0 0 0 5	
		1	2	3	4	5	*TOTALS
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland General Body System		+	+	+	+	+	5
NONE Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		М	+	+	+	+	4
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		Μ	Μ	Μ	Μ	Μ	0
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		+	М	М	+	М	2
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

Experiment Number: 99037-01 Test Type: 14-DAY Route: GAVAGE

#### Species/Strain: Rat/F 344/N

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 100 MG/KG	DAY ON TEST ANIMAL ID	<i>0</i> <i>0</i> <i>1</i> <i>7</i> 0 0 0 5 1	<i>0</i> <i>0</i> <i>1</i> <i>7</i> 0 0 0 5 2	0 0 1 7 0 0 0 5 3	0 0 1 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		+	+	+	Ι	Ι	3
Lung		+	+	+	+	+	5
Nose		+	+	+	А	+	4
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: alpha/beta Thujone mixture CAS Number: 76231-76-0

\*\*\*END OF MALE DATA\*\*\*

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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 0 6	0 0 1 7 0 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 0 1 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	+	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

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female VEHICLE CONTROL Pituitary Gland Thyroid Gland	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 8 + +	0 0 1 7 0 0 0 0 9 +	0 0 1 7 0 0 0 0 1 0 + +	*TOTALS 5
General Body System		т	т	т	т	т	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
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

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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 8	0 0 1 7 0 0 0 0 9	0 0 1 7 0 0 0 0 1 0	*TOTALS
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		I	Ι	Ι	Ι	+	1
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5
Multiple Organ		+	+	+	+	+	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

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

# P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha/beta Thujone mixture CAS Number: 76231-76-0 Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

F 344/N	Rat	Female
		i omaio

## 1.0 MG/KG

ANIMAL ID

DAY ON TEST

\*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

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-01	P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Type: 14-DAY	Test Compound: alpha/beta Thujone mixture
Route: GAVAGE	CAS Number: 76231-76-0
Species/Strain: Rat/F 344/N	
DAY ON TE	ST
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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

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

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha/beta Thujone mixture CAS Number: 76231-76-0 Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

F 344/N	Rat	Female

## 3.0 MG/KG

ANIMAL ID

DAY ON TEST

\*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

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-01	P04: NEOPLASMS BY INDIVIDUAL ANIMAI
Test Type: 14-DAY	Test Compound: alpha/beta Thujone mixture
Route: GAVAGE	CAS Number: 76231-76-0
Species/Strain: Rat/F 344/N	
DAY ON TE	ST
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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 First Dose M/F: NA / NA Lab: MBA

Experiment Number: 99037-01			P04: NEOPLASMS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/22/2014
Test Type: 14-DAY			Test Compound: alpha/beta Thujone mixture	Time Report Requested: 20:56:53
Route: GAVAGE			CAS Number: 76231-76-0	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
Γ	DAY ON TEST			
F 344/N Rat Female				
10.0 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				

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-01			P04: NEOPLASMS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/22/2014
Test Type: 14-DAY			Test Compound: alpha/beta Thujone mixture	Time Report Requested: 20:56:53
Route: GAVAGE			CAS Number: 76231-76-0	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
	DAY ON TEST			
F 344/N Rat Female				
10.0 MG/KG				
	ANIMAL ID			
		<b>*TOTALS</b>		
Respiratory System				
NONE				
Special Senses System				
NONE				
Urinary System				
NONE				
SYSTEMIC LESIONS				
Multiple Organ		0		

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-01			P04: NEOPLASMS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/22/2014
Test Type: 14-DAY			Test Compound: alpha/beta Thujone mixture	Time Report Requested: 20:56:53
Route: GAVAGE			CAS Number: 76231-76-0	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
DAY	ON TEST			
F 344/N Rat Female				
30.0 MG/KG				
Ą	NIMAL 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				

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-01			P04: NEOPLASMS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/22/2014
Test Type: 14-DAY			Test Compound: alpha/beta Thujone mixture	Time Report Requested: 20:56:53
Route: GAVAGE			CAS Number: 76231-76-0	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N				Lab: MBA
DA	Y ON TEST			
F 344/N Rat Female				
30.0 MG/KG				
	ANIMAL ID			
		*TOTALS		
Respiratory System				
NONE				
Special Senses System				
NONE				
Urinary System				
NONE				
SYSTEMIC LESIONS				
Multiple Organ		0		

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:53 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		+	Μ	+	+	+	4

\* ..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

Experiment Number: 99037-01 Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:54 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 5
Thyroid Gland General Body System		+	+	+	+	+	5
NONE Genital System							
Clitoral Gland		+	+	+	+	+	5
Ovary		+	+	+	+	+	5
Uterus		+	+	+	+	+	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		+	+	+	+	+	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

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: 76231-76-0

Date Report Requested: 10/22/2014 Time Report Requested: 20:56:54 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 100 MG/KG	DAY ON TEST ANIMAL ID	<i>0</i> <i>0</i> <i>1</i> <i>7</i> 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
Nervous System							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		+	+	+	+	Ι	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 **

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue