P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY
Route: GAVAGE
CAS Number: 546-80-5
Species/Strain: Rat/F 344/N

C Number: C99021

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

Test Type: 14-DAY

Route: GAVAGE

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male VEHICLE CONTROL

Species/Strain: Rat/F 344/N

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	7	7	7	7	7	
ANIMAL ID	0 0 0 0	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	00005	

*TOTALS

5

5

Alimentary	System
------------	--------

Intestine Large, Cecum

Esophagus

3 ·						
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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

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.	3
NONE Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	М	+	М	3
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		+	+	+	+	+	5
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

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

Test Type: 14-DAY

Time Report Requested: 12:53:19

Date Report Requested: 10/15/2014

First Dose M/F: NA / NA

Lab: MBA

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

Experiment Number: 99021-01 Test Type: 14-DAY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

Test Compound: alpha-Thujone

Species/Strain: Rat/F 344/N

CAS Number: 546-80-5

F 344/N Rat Male MG/KG

Route: GAVAGE

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
ANIIMAL ID	7	7	7	7	7	
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	1	2	3	4	5	

*TOTALS

1

Alimentary System

Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

Bone 1

Nervous System

Brain, NOS

* ..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-Thujone

CAS Number: 546-80-5

Tin

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19
First Dose M/F: NA / NA

Lab: MBA

Species/Strain: Rat/F 344/N

F 344/N Rat Male 1.0 MG/KG

Test Type: 14-DAY

Route: GAVAGE

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
A N.II. A A I. I.D.	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	2	3	4	5

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

- +

2

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

mber: 546-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 3.0 MG/KG

D 437 ON TEOT	_			_	
DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
A N II M A A I . I D	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	2	2 2	2	2	2 5
	1	2	3	4	5

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node + 1

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- 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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

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

Test Type: 14-DAY

F 344/N Rat Male 3.0 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2
	1	2	3	4	5

*TOTALS

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

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

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Male 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

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

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

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Time Report Requested: 12:53:19

Date Report Requested: 10/15/2014

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Male 10.0 MG/KG

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

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

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

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
BLANK ..Not examined microscopically

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

^{+ ..} Tissue examined microscopically

X ..Lesion present

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

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

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

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

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

Route: GAVAGE

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

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 7 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	+	4

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

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

Test Type: 14-DAY

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 7 0 0 0 5 4	0 0 1 7 0 0 0 5 5	*TOTALS_
Pituitary Gland Thyroid Gland		+	+	+	+	+	5 5
General Body System		+	+	+	+	+	5
NONE Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	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		+	+	М	М	+	3
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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

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

Test Type: 14-DAY

Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Date Report Requested: 10/15/2014

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 7 0 0 0 5 4	0 0 1 7 0 0 0 5 5	*TOTALS
Bone		+	+	+	+	+	5
Skeletal Muscle Nervous System		+	+	+	+	+	5
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar Respiratory System		+	+	+	+	+	5
Larynx		+	ı	ı	ı	ı	1
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	М	+	+	+	4
Multiple Organ		+	+	+	+	+	5

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

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

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

First Dose M/F: NA / NA

Lab: MBA

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

Test Type: 14-DAY Route: GAVAGE

CAS Number: 546-80-5

Lab: MBA

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

F 344/N Rat Female	
VEHICLE CONTROL	_

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 0 8	0 0 1 7 0 0 0 0 0 9	0 0 1 7 0 0 0 1 0	*TOTALS
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

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

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

First Dose M/F: NA / NA

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

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 0 9	0 0 1 7 0 0 0 0 1 0 +	*TOTALS 4 5
General Body System		•	_	_			3
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
integumentary system							
Mammary Gland		+	+	+	+	+	5
Skin Musculoskeletal System		+	+	+	+	+	5
Bone		+	+	+	+	+	5
Skeletal Muscle		+	+	+	+	+	5

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

Test Type: 14-DAY

Route: GAVAGE Species/Strain: Rat/F 344/N P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: alpha-Thujone

CAS Number: 546-80-5

First Dose M/F: NA / NA

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

Lab: MBA

F 344/N Rat Female **VEHICLE CONTROL**

DAY ON TEST	0	0	0	0	0
	1	1	1	1	1
					/
ANIMAL ID	0	0	0	0	0
ANIIVIAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	1
	6	7	8	9	0

*T	0	T/	۱L	<u>S</u>	

	0	0	0	0	0	l
	6	7	8	9	0	*TOTALS
Nervous System						
Brain, NOS	+	+	+	+	+	5
Peripheral Nerve, Sciatic	+	+	+	+	+	5
Spinal Cord, Cervical	+	+	+	+	+	5
Spinal Cord, Lumbar	+	+	+	+	+	5
Respiratory System						
Larynx	I	+	+	+	ı	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	+	+	+	+	+	5

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

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

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

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

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

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY
Route: GAVAGE

Species/Strain: Rat/F 344/N

F 344/N Rat Female 3.0 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	3
	6	7	8	9	0

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node M 0

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

- 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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

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

Test Type: 14-DAY

F 344/N Rat Female 3.0 MG/KG

DAY ON TEST	0	0	0	0	0
	7	1	1	1	7
	/	/	/	/	/
ANIMAL ID	0	0	0	0	0
ANIIVIAL ID	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	3
	6	7	8	9	0

*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

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

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

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

I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 24

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

^{+ ..} Tissue examined microscopically

X .. Lesion present

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

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

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

I .. Insufficient tissue

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

F 344/	Ν	Rat	Female
30.0	N	IG/K	G

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	5
	6	7	8	9	0

	6	7	8	9	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

Islets, Pancreatic

Parathyroid Gland

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5

5

5

^{* ..}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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Time Report Requested: 12:53:19

Date Report Requested: 10/15/2014

First Dose M/F: NA / NA

Lab: MBA

Test Compound: alpha-Thujone
CAS Number: 546-80-5

F 344/N Rat Female 30.0 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	
30.0 MO/NG	ANIMAL ID	0 0 0 4 6	0 0 0 4 7	0 0 0 4 8	0 0 0 4 9	0 0 0 5 0	*TOTALS
Pituitary Gland		+	+	+	I	+	4
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	M	M	M	0
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		+	+	+	+	+	5
Skin		+	+	+	+	+	5
Musculoskeletal System							
_							_

Bone

Skeletal Muscle

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

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 30.0 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 4 6	0 0 1 7 0 0 0 4 7	0 0 1 7 0 0 0 4 8	0 0 1 7 0 0 0 4 9	0 0 1 7 0 0 0 5 0	*TOTALS
Nervous System							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		+	+	+	+	+	5
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

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

F 344/	N Rat Female
100	MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	0	0
	7	5	7	8	8
ANIMAL ID	0	0	0	0	0
AMINAL ID	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	6
	6	7	l a	9	Ω

	6	7	8	9	ŏ	*TOTALS
Alimentary System						
Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	Α	4
Intestine Large, Colon	+	+	+	+	Α	4
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	Α	4
Intestine Small, Ileum	+	+	+	+	Α	4
Intestine Small, Jejunum	+	+	+	+	Α	4
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	Α	4
Cardiovascular System						
Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5
Endocrine System						
Adrenal Cortex	+	+	+	+	+	5

Adrenal Medulla

Islets, Pancreatic

Parathyroid Gland

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

First Dose M/F: NA / NA

Lab: MBA

Test Compound: alpha-Thujone

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Pituitary Gland Thyroid Gland **General Body System**

> Clitoral Gland Ovary Uterus

> **Bone Marrow**

Spleen Thymus

Skin

Bone

Hematopoietic System

Integumentary System

Musculoskeletal System

Mammary Gland

Skeletal Muscle

Lymph Node, Mandibular Lymph Node, Mesenteric

NONE **Genital System**

Route: GAVAGE

CAS Number: 546-80-5

		DAY ON TE
F 344	/N Rat Female	
100	MG/KG	

DAY ON TEST	0 0 1 7 0 0 0 5 6	0 0 1 5	0 0 1 7	0 0 8 0 0	0 0 8	
	5 6	0 0 5 7	0 5 8	0 0 5 9	0 6 0	*TOTALS
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	М	M	M	M	M	0
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	5
	+	+	+	+	+	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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

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

Test Type: 14-DAY

CAS Number: 546-80-5

Lab: MBA

Date Report Requested: 10/15/2014

Time Report Requested: 12:53:19

First Dose M/F: NA / NA

F 344	/N Rat Female
100	MG/KG

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 5 0 0 0 5 7	0 0 1 7 0 0 0 5 8	0 0 8 0 0 0 0 5 9	0 0 8 0 0 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		М	I	+	+	+	3
Lung		+	+	+	+	+	5
Nose		+	+	+	+	Α	4
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5

** END OF REPORT **

SYSTEMIC LESIONS

Multiple Organ

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