

**Experiment Number:** 99021-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 11:45:21  
**First Dose M/F:** NA / NA  
**Lab:** MBA

**C Number:** C99021  
**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

Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

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Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

|  |             |   |   |   |   |                |  |
|--|-------------|---|---|---|---|----------------|--|
| <b>B6C3F1 Mouse Male<br/>VEHICLE CONTROL</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0              |  |
|  |             | 0 | 0 | 0 | 0 | 0              |  |
|  |             | 1 | 1 | 1 | 1 | 1              |  |
|  |             | 8 | 8 | 8 | 8 | 8              |  |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0              |  |
|  |             | 0 | 0 | 0 | 0 | 0              |  |
|  | 0           | 0 | 0 | 0 | 0 |                |  |
|  | 0           | 0 | 0 | 0 | 0 |                |  |
|  | 1           | 2 | 3 | 4 | 5 | <b>*TOTALS</b> |  |

**Alimentary System**

|                           |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|
| Esophagus                 | + | + | + | M | + | 4 |
| Gallbladder               | M | + | + | + | + | 4 |
| 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 |

\* ..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

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Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

| B6C3F1 Mouse Male<br>VEHICLE CONTROL | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|--------------------------------------|-------------|---|---|---|---|---|---------|
|                                      | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 |         |
|                                      |             | 0 | 0 | 0 | 0 | 0 |         |
|                                      |             | 1 | 1 | 1 | 1 | 1 |         |
|                                      |             | 8 | 8 | 8 | 8 | 8 |         |
|                                      |             | 0 | 0 | 0 | 0 | 0 |         |
|                                      |             | 0 | 0 | 0 | 0 | 0 |         |
|                                      |             | 0 | 0 | 0 | 0 | 0 |         |
|                                      |             | 0 | 0 | 0 | 0 | 0 |         |
|                                      |             | 1 | 2 | 3 | 4 | 5 |         |
| Parathyroid Gland                    |             | + | + | + | + | + | 5       |
| Pituitary Gland                      |             | + | + | + | + | + | 5       |
| Thyroid Gland                        |             | + | + | + | + | + | 5       |
| <b>General Body System</b>           |             |   |   |   |   |   |         |
| NONE                                 |             |   |   |   |   |   |         |
| <b>Genital System</b>                |             |   |   |   |   |   |         |
| Epididymis                           |             | + | + | + | + | + | 5       |
| Preputial Gland                      |             | + | + | + | + | + | 5       |
| Prostate                             |             | + | + | + | + | + | 5       |
| Seminal Vesicle                      |             | + | + | + | + | + | 5       |
| Testes                               |             | + | + | + | + | + | 5       |
| <b>Hematopoietic System</b>          |             |   |   |   |   |   |         |
| Bone Marrow                          |             | + | + | + | + | + | 5       |
| Lymph Node, Mandibular               |             | + | + | + | + | + | 5       |
| Lymph Node, Mesenteric               |             | + | + | + | + | + | 5       |
| Spleen                               |             | + | + | + | + | + | 5       |
| Thymus                               |             | + | + | + | + | + | 5       |
| <b>Integumentary System</b>          |             |   |   |   |   |   |         |
| Mammary Gland                        |             | M | M | + | M | M | 1       |
| Skin                                 |             | + | + | + | + | + | 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  
BLANK ..Not examined microscopically

Experiment Number: 99021-02  
 Test Type: 14-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)  
 Test Compound: alpha-Thujone  
 CAS Number: 546-80-5

Date Report Requested: 10/19/2014  
 Time Report Requested: 11:45:21  
 First Dose M/F: NA / NA  
 Lab: MBA

| B6C3F1 Mouse Male<br>VEHICLE CONTROL | DAY ON TEST | 0 | 0 | 0 | 0 | 0       |
|--------------------------------------|-------------|---|---|---|---|---------|
|                                      |             | 0 | 0 | 0 | 0 | 0       |
|                                      | 1           | 1 | 1 | 1 | 1 | 1       |
|                                      | 8           | 8 | 8 | 8 | 8 | 8       |
| ANIMAL ID                            | 0           | 0 | 0 | 0 | 0 | 0       |
|                                      | 0           | 0 | 0 | 0 | 0 | 0       |
|                                      | 0           | 0 | 0 | 0 | 0 | 0       |
|                                      | 0           | 0 | 0 | 0 | 0 | 0       |
|                                      | 1           | 2 | 3 | 4 | 5 |         |
|                                      |             |   |   |   |   | *TOTALS |

**Musculoskeletal System**

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Bone            | + | + | I | + | + | 4 |
| Skeletal Muscle | + | + | + | + | + | 5 |

**Nervous System**

|                           |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|
| Brain, NOS                | + | + | + | + | + | 5 |
| Peripheral Nerve, Sciatic | + | + | + | I | + | 4 |
| Spinal Cord, Cervical     | + | + | + | + | + | 5 |
| Spinal Cord, Lumbar       | + | + | + | + | + | 5 |

**Respiratory System**

|         |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|
| Larynx  | I | I | I | I | I | 0 |
| Lung    | + | + | + | + | + | 5 |
| Nose    | + | + | + | + | + | 5 |
| Trachea | + | + | + | + | + | 5 |

**Special Senses System**

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | 5 |
| Harderian Gland | + | + | + | + | + | 5 |
| Zymbal's Gland  |   |   |   |   | + | 1 |

**Urinary System**

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Kidney          | + | + | + | + | + | 5 |
| Urinary Bladder | + | + | + | + | + | 5 |

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Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

**B6C3F1 Mouse Male  
VEHICLE CONTROL**

|             |   |   |   |   |   |         |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 1 | 1 | 1 | 1 | 1 |         |
|             | 8 | 8 | 8 | 8 | 8 |         |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 1 | 2 | 3 | 4 | 5 | *TOTALS |

**SYSTEMIC LESIONS**

|                |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | 5 |
|----------------|---|---|---|---|---|---|

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**Time Report Requested:** 11:45:21  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse 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

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+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

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**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**1.0 MG/KG**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ 0

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

M ..Missing tissue  
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**Species/Strain:** Mouse/B6C3F1

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

DAY ON TEST

**B6C3F1 Mouse 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

\* ..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  
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**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**3.0 MG/KG**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ 0

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
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M ..Missing tissue  
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**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse 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

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
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**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Male**  
**10.0 MG/KG**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ 0

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
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Lab: MBA

|   |             |   |   |   |   |                |
|---|-------------|---|---|---|---|----------------|
| <b>B6C3F1 Mouse Male</b><br><b>30.0 MG/KG</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0              |
|   |             | 0 | 0 | 0 | 0 | 0              |
|   |             | 1 | 1 | 1 | 1 | 1              |
|   |             | 8 | 8 | 8 | 8 | 8              |
|   | ANIMAL ID   | 0 | 0 | 0 | 0 | 0              |
|   | 0           | 0 | 0 | 0 | 0 |                |
|   | 0           | 0 | 0 | 0 | 0 |                |
|   | 4           | 4 | 4 | 4 | 4 |                |
|   | 1           | 2 | 3 | 4 | 5 |                |
|   |             |   |   |   |   | <b>*TOTALS</b> |

**Alimentary System**

|                           |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | 5 |
| Gallbladder               | M | + | + | + | + | 4 |
| 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 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
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Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

| B6C3F1 Mouse Male<br>30.0 MG/KG | DAY ON TEST |   |   |   |   | ANIMAL ID |  |  |  |  |                |
|---------------------------------|-------------|---|---|---|---|-----------|--|--|--|--|----------------|
|                                 | 0           | 0 | 0 | 0 | 0 |           |  |  |  |  |                |
|                                 | 0           | 0 | 0 | 0 | 0 | 0         |  |  |  |  |                |
|                                 | 1           | 1 | 1 | 1 | 1 | 0         |  |  |  |  |                |
|                                 | 8           | 8 | 8 | 8 | 8 | 0         |  |  |  |  |                |
|                                 | 0           | 0 | 0 | 0 | 0 | 0         |  |  |  |  |                |
|                                 | 0           | 0 | 0 | 0 | 0 | 0         |  |  |  |  |                |
|                                 | 0           | 0 | 0 | 0 | 0 | 0         |  |  |  |  |                |
|                                 | 4           | 4 | 4 | 4 | 4 | 4         |  |  |  |  |                |
|                                 | 1           | 2 | 3 | 4 | 5 |           |  |  |  |  |                |
|                                 |             |   |   |   |   |           |  |  |  |  | <b>*TOTALS</b> |
| Parathyroid Gland               | M           | + | + | M | + |           |  |  |  |  | 3              |
| Pituitary Gland                 | +           | + | + | + | + |           |  |  |  |  | 5              |
| Thyroid Gland                   | +           | + | + | + | + |           |  |  |  |  | 5              |
| <b>General Body System</b>      |             |   |   |   |   |           |  |  |  |  |                |
| NONE                            |             |   |   |   |   |           |  |  |  |  |                |
| <b>Genital System</b>           |             |   |   |   |   |           |  |  |  |  |                |
| Epididymis                      | +           | + | + | + | + |           |  |  |  |  | 5              |
| Preputial Gland                 | +           | + | + | + | + |           |  |  |  |  | 5              |
| Prostate                        | +           | + | + | + | + |           |  |  |  |  | 5              |
| Seminal Vesicle                 | +           | + | + | + | + |           |  |  |  |  | 5              |
| Testes                          | +           | + | + | + | + |           |  |  |  |  | 5              |
| <b>Hematopoietic System</b>     |             |   |   |   |   |           |  |  |  |  |                |
| Bone Marrow                     | +           | + | + | + | + |           |  |  |  |  | 5              |
| Lymph Node, Mandibular          | +           | + | + | + | + |           |  |  |  |  | 5              |
| Lymph Node, Mesenteric          | +           | + | + | + | + |           |  |  |  |  | 5              |
| Spleen                          | +           | + | + | + | + |           |  |  |  |  | 5              |
| Thymus                          | +           | + | + | + | + |           |  |  |  |  | 5              |
| <b>Integumentary System</b>     |             |   |   |   |   |           |  |  |  |  |                |
| Mammary Gland                   | M           | M | M | M | M |           |  |  |  |  | 0              |
| Skin                            | +           | + | + | + | + |           |  |  |  |  | 5              |

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Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

|   |             |   |   |   |   |                |  |
|---|-------------|---|---|---|---|----------------|--|
| <b>B6C3F1 Mouse Male</b><br><b>30.0 MG/KG</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0              |  |
|   |             | 0 | 0 | 0 | 0 | 0              |  |
|   |             | 1 | 1 | 1 | 1 | 1              |  |
|   |             | 8 | 8 | 8 | 8 | 8              |  |
|   | ANIMAL ID   | 0 | 0 | 0 | 0 | 0              |  |
|   | 0           | 0 | 0 | 0 | 0 |                |  |
|   | 0           | 0 | 0 | 0 | 0 |                |  |
|   | 4           | 4 | 4 | 4 | 4 |                |  |
|   | 1           | 2 | 3 | 4 | 5 | <b>*TOTALS</b> |  |

**Musculoskeletal System**

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| 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  |   | + | + |   |   | 2 |
| Lung    | + | + | + | + | + | 5 |
| Nose    | + | + | + | + | + | 5 |
| Trachea | + | + | + | + | + | 5 |

**Special Senses System**

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | 5 |
| Harderian Gland | + | + | + | + | + | 5 |

**Urinary System**

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Kidney          | + | + | + | + | + | 5 |
| Urinary Bladder | + | + | + | + | + | 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

BLANK ..Not examined microscopically

Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

**B6C3F1 Mouse Male**  
**30.0 MG/KG**

|             |   |   |   |   |   |         |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 1 | 1 | 1 | 1 | 1 |         |
|             | 8 | 8 | 8 | 8 | 8 |         |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 4 | 4 | 4 | 4 | 4 |         |
|             | 1 | 2 | 3 | 4 | 5 | *TOTALS |

**SYSTEMIC LESIONS**

|                |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|
| 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  
BLANK ..Not examined microscopically

Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

|  |             |   |   |   |   |                |  |
|--|-------------|---|---|---|---|----------------|--|
| <b>B6C3F1 Mouse Male</b><br><b>100 MG/KG</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0              |  |
|  |             | 0 | 0 | 0 | 0 | 0              |  |
|  |             | 0 | 1 | 0 | 0 | 1              |  |
|  |             | 4 | 8 | 4 | 8 | 5              |  |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0              |  |
|  | 0           | 0 | 0 | 0 | 0 |                |  |
|  | 0           | 0 | 0 | 0 | 0 |                |  |
|  | 5           | 5 | 5 | 5 | 5 |                |  |
|  | 1           | 2 | 3 | 4 | 5 | <b>*TOTALS</b> |  |

**Alimentary System**

|                           |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | 5 |
| Gallbladder               | + | + | + | + | A | 4 |
| Intestine Large, Cecum    | A | + | A | A | A | 1 |
| Intestine Large, Colon    | A | + | A | + | A | 2 |
| Intestine Large, Rectum   | A | + | A | + | A | 2 |
| Intestine Small, Duodenum | A | + | A | A | A | 1 |
| Intestine Small, Ileum    | A | + | A | A | A | 1 |
| Intestine Small, Jejunum  | A | + | A | A | A | 1 |
| 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 |

\* ..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



Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

| B6C3F1 Mouse Male<br>100 MG/KG | DAY ON TEST |   |   |   |   | ANIMAL ID | *TOTALS |
|--------------------------------|-------------|---|---|---|---|-----------|---------|
|                                | 0           | 0 | 0 | 0 | 0 |           |         |
|                                | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                | 0           | 1 | 0 | 0 | 1 | 0         |         |
|                                | 4           | 8 | 4 | 8 | 5 | 5         |         |
|                                | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                | 5           | 5 | 5 | 5 | 5 | 5         |         |
|                                | 1           | 2 | 3 | 4 | 5 | 5         |         |
| Parathyroid Gland              | M           | M | + | M | M |           | 1       |
| Pituitary Gland                | +           | + | + | + | + |           | 5       |
| Thyroid Gland                  | +           | + | + | + | + |           | 5       |
| <b>General Body System</b>     |             |   |   |   |   |           |         |
| NONE                           |             |   |   |   |   |           |         |
| <b>Genital System</b>          |             |   |   |   |   |           |         |
| Epididymis                     | +           | + | + | + | + |           | 5       |
| Preputial Gland                | +           | + | + | + | + |           | 5       |
| Prostate                       | +           | + | + | + | + |           | 5       |
| Seminal Vesicle                | +           | + | + | + | + |           | 5       |
| Testes                         | +           | + | + | + | + |           | 5       |
| <b>Hematopoietic System</b>    |             |   |   |   |   |           |         |
| Bone Marrow                    | +           | + | + | + | + |           | 5       |
| Lymph Node, Mandibular         | +           | + | + | + | M |           | 4       |
| Lymph Node, Mesenteric         | +           | + | + | + | + |           | 5       |
| Spleen                         | +           | + | + | + | + |           | 5       |
| Thymus                         | +           | + | + | + | + |           | 5       |
| <b>Integumentary System</b>    |             |   |   |   |   |           |         |
| Mammary Gland                  | M           | M | M | M | M |           | 0       |
| Skin                           | +           | + | + | + | + |           | 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  
BLANK ..Not examined microscopically

Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

|  |             |   |   |   |   |                |   |
|--|-------------|---|---|---|---|----------------|---|
| <b>B6C3F1 Mouse Male</b><br><b>100 MG/KG</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0              |   |
|  |             | 0 | 0 | 0 | 0 | 0              |   |
|  |             | 0 | 1 | 0 | 0 | 0              | 1 |
|  |             | 4 | 8 | 4 | 8 | 5              |   |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0              |   |
|  | 0           | 0 | 0 | 0 | 0 |                |   |
|  | 0           | 0 | 0 | 0 | 0 |                |   |
|  | 5           | 5 | 5 | 5 | 5 |                |   |
|  | 1           | 2 | 3 | 4 | 5 | <b>*TOTALS</b> |   |

**Musculoskeletal System**

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| 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 |
| Lung    | + | + | + | + | + | 5 |
| Nose    | + | + | + | + | + | 5 |
| Trachea | + | + | + | + | + | 5 |

**Special Senses System**

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | 5 |
| Harderian Gland | + | + | + | + | + | 5 |

**Urinary System**

|                 |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|
| Kidney          | + | + | + | + | + | 5 |
| Urinary Bladder | + | + | + | + | + | 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  
BLANK ..Not examined microscopically

Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

**B6C3F1 Mouse Male**  
**100 MG/KG**

|             |   |   |   |   |   |         |
|-------------|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 1 | 0 | 0 | 1 |         |
|             | 4 | 8 | 4 | 8 | 5 |         |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 0 | 0 | 0 | 0 | 0 |         |
|             | 5 | 5 | 5 | 5 | 5 |         |
|             | 1 | 2 | 3 | 4 | 5 | *TOTALS |

**SYSTEMIC LESIONS**

Multiple Organ

+ + + + +

5

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

\* ..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

Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

|  |             |   |   |   |   |   |         |
|--|-------------|---|---|---|---|---|---------|
|  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 1 | 1 | 1 | 1 | 1 |         |
|  |             | 8 | 8 | 8 | 8 | 8 |         |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 1 |         |
|  |             | 6 | 7 | 8 | 9 | 0 | *TOTALS |

Alimentary System

|                           |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | 5 |
| Gallbladder               | + | M | + | + | M | 3 |
| 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 |

\* ..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

Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

| B6C3F1 Mouse Female<br>VEHICLE CONTROL | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|--|-------------|---|---|---|---|---|---------|
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 1 | 1 | 1 | 1 | 1 |         |
|  |             | 8 | 8 | 8 | 8 | 8 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 1 |         |
|  |             | 6 | 7 | 8 | 9 | 0 |         |
| Parathyroid Gland                      |             | + | + | + | + | + | 5       |
| Pituitary Gland                        |             | + | + | I | + | I | 3       |
| Thyroid Gland                          |             | + | + | + | + | + | 5       |
| <b>General Body System</b>             |             |   |   |   |   |   |         |
| NONE                                   |             |   |   |   |   |   |         |
| <b>Genital System</b>                  |             |   |   |   |   |   |         |
| Clitoral Gland                         |             | M | + | + | + | M | 3       |
| Ovary                                  |             | + | + | + | + | + | 5       |
| Uterus                                 |             | + | + | + | + | + | 5       |
| <b>Hematopoietic System</b>            |             |   |   |   |   |   |         |
| Bone Marrow                            |             | + | + | + | + | + | 5       |
| Lymph Node, Mandibular                 |             | + | + | + | + | + | 5       |
| Lymph Node, Mesenteric                 |             | + | + | + | + | + | 5       |
| Spleen                                 |             | + | + | + | + | + | 5       |
| Thymus                                 |             | + | + | + | + | + | 5       |
| <b>Integumentary System</b>            |             |   |   |   |   |   |         |
| Mammary Gland                          |             | + | + | + | + | M | 4       |
| Skin                                   |             | + | + | + | + | + | 5       |
| <b>Musculoskeletal System</b>          |             |   |   |   |   |   |         |
| Bone                                   |             | + | + | + | + | + | 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  
BLANK ..Not examined microscopically

Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:21

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

| B6C3F1 Mouse Female<br>VEHICLE CONTROL | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|--|-------------|---|---|---|---|---|---------|
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 1 | 1 | 1 | 1 | 1 |         |
|  |             | 8 | 8 | 8 | 8 | 8 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 0 |         |
|  |             | 0 | 0 | 0 | 0 | 1 |         |
|  |             | 6 | 7 | 8 | 9 | 0 |         |
| Skeletal Muscle                        |             | + | + | + | + | + | 5       |
| <b>Nervous System</b>                  |             |   |   |   |   |   |         |
| Brain, NOS                             |             | + | + | + | + | + | 5       |
| Peripheral Nerve, Sciatic              |             | + | + | + | + | + | 5       |
| Spinal Cord, Cervical                  |             | + | + | + | + | + | 5       |
| Spinal Cord, Lumbar                    |             | + | + | + | + | + | 5       |
| <b>Respiratory System</b>              |             |   |   |   |   |   |         |
| Larynx                                 |             | + | + | I | + | I | 3       |
| Lung                                   |             | + | + | + | + | + | 5       |
| Nose                                   |             | + | + | + | + | + | 5       |
| Trachea                                |             | + | + | + | + | + | 5       |
| <b>Special Senses System</b>           |             |   |   |   |   |   |         |
| Eye                                    |             | + | + | + | + | + | 5       |
| Harderian Gland                        |             | + | + | + | + | + | 5       |
| <b>Urinary System</b>                  |             |   |   |   |   |   |         |
| Kidney                                 |             | + | + | + | + | + | 5       |
| Urinary Bladder                        |             | + | + | + | + | + | 5       |
| <b>SYSTEMIC LESIONS</b>                |             |   |   |   |   |   |         |
| 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  
BLANK ..Not examined microscopically

**Experiment Number:** 99021-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 11:45:21  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse 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

\* ..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

Experiment Number: 99021-02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/19/2014

Time Report Requested: 11:45:21

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

**B6C3F1 Mouse Female**

**1.0 MG/KG**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

0

\* ..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



**Experiment Number:** 99021-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 11:45:21  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**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

\* ..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

**Experiment Number:** 99021-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 11:45:21  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**3.0 MG/KG**

ANIMAL ID

\*TOTALS

---

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ 0

\* ..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

**Experiment Number:** 99021-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 11:45:21  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse 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

\* ..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

**Experiment Number:** 99021-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 11:45:21  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**10.0 MG/KG**

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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**Experiment Number:** 99021-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 11:45:21  
**First Dose M/F:** NA / NA  
**Lab:** MBA

DAY ON TEST

**B6C3F1 Mouse Female**  
**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

\* ..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  
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Experiment Number: 99021-02

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/19/2014

Time Report Requested: 11:45:22

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

**B6C3F1 Mouse Female**

**30.0 MG/KG**

ANIMAL ID

\*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

Multiple Organ

0

\* ..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

Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:22

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

|  |                |   |   |   |   |   |
|--|----------------|---|---|---|---|---|
| <b>B6C3F1 Mouse Female</b><br><b>100 MG/KG</b> | DAY ON TEST    | 0 | 0 | 0 | 0 | 0 |
|  |                | 0 | 0 | 0 | 0 | 0 |
|  |                | 0 | 0 | 0 | 0 | 0 |
|  |                | 1 | 1 | 1 | 4 | 8 |
|  | ANIMAL ID      | 0 | 0 | 0 | 0 | 0 |
|  | 0              | 0 | 0 | 0 | 0 |   |
|  | 0              | 0 | 0 | 0 | 0 |   |
|  | 5              | 5 | 5 | 5 | 6 |   |
|  | 6              | 7 | 8 | 9 | 0 |   |
|  | <b>*TOTALS</b> |   |   |   |   |   |

**Alimentary System**

|                           |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | 5 |
| Gallbladder               | + | + | + | A | + | 4 |
| Intestine Large, Cecum    | A | A | A | A | A | 0 |
| Intestine Large, Colon    | A | A | A | A | A | 0 |
| Intestine Large, Rectum   | + | + | + | + | + | 5 |
| Intestine Small, Duodenum | A | A | A | A | A | 0 |
| Intestine Small, Ileum    | A | A | A | A | A | 0 |
| Intestine Small, Jejunum  | A | A | A | A | A | 0 |
| 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 |

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Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:22

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

| B6C3F1 Mouse Female<br>100 MG/KG | DAY ON TEST |   |   |   |   | ANIMAL ID | *TOTALS |
|----------------------------------|-------------|---|---|---|---|-----------|---------|
|                                  | 0           | 0 | 0 | 0 | 0 |           |         |
|                                  | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                  | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                  | 1           | 1 | 1 | 4 | 8 |           |         |
|                                  | 0           | 0 | 0 | 0 | 0 |           |         |
|                                  | 0           | 0 | 0 | 0 | 0 |           |         |
|                                  | 0           | 0 | 0 | 0 | 0 |           |         |
|                                  | 5           | 5 | 5 | 5 | 6 |           |         |
|                                  | 6           | 7 | 8 | 9 | 0 |           |         |
| Parathyroid Gland                | M           | M | M | M | M |           | 0       |
| Pituitary Gland                  | +           | + | + | + | I |           | 4       |
| Thyroid Gland                    | +           | + | + | + | + |           | 5       |
| <b>General Body System</b>       |             |   |   |   |   |           |         |
| NONE                             |             |   |   |   |   |           |         |
| <b>Genital System</b>            |             |   |   |   |   |           |         |
| Clitoral Gland                   | +           | + | + | + | + |           | 5       |
| Ovary                            | +           | + | + | + | + |           | 5       |
| Uterus                           | +           | + | + | + | + |           | 5       |
| <b>Hematopoietic System</b>      |             |   |   |   |   |           |         |
| Bone Marrow                      | +           | + | + | + | + |           | 5       |
| Lymph Node, Mandibular           | +           | + | + | + | + |           | 5       |
| Lymph Node, Mesenteric           | +           | + | + | + | + |           | 5       |
| Spleen                           | +           | + | + | + | + |           | 5       |
| Thymus                           | +           | + | + | + | + |           | 5       |
| <b>Integumentary System</b>      |             |   |   |   |   |           |         |
| Mammary Gland                    | +           | + | + | + | + |           | 5       |
| Skin                             | +           | + | + | + | + |           | 5       |
| <b>Musculoskeletal System</b>    |             |   |   |   |   |           |         |
| Bone                             | +           | + | + | + | + |           | 5       |

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Experiment Number: 99021-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: alpha-Thujone

Time Report Requested: 11:45:22

Route: GAVAGE

CAS Number: 546-80-5

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: MBA

| B6C3F1 Mouse Female<br>100 MG/KG | DAY ON TEST |   |   |   |   | ANIMAL ID | *TOTALS |
|----------------------------------|-------------|---|---|---|---|-----------|---------|
|                                  | 0           | 0 | 0 | 0 | 0 |           |         |
|                                  | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                  | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                  | 1           | 1 | 1 | 4 | 8 |           |         |
|                                  | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                  | 0           | 0 | 0 | 0 | 0 | 0         |         |
|                                  | 5           | 5 | 5 | 5 | 6 | 6         |         |
|                                  | 6           | 7 | 8 | 9 | 9 | 0         |         |
| Skeletal Muscle                  | +           | + | + | + | + |           | 5       |
| <b>Nervous System</b>            |             |   |   |   |   |           |         |
| Brain, NOS                       | +           | + | + | + | + |           | 5       |
| Peripheral Nerve, Sciatic        | M           | + | + | + | + |           | 4       |
| Spinal Cord, Cervical            | +           | + | + | + | + |           | 5       |
| Spinal Cord, Lumbar              | +           | + | + | + | + |           | 5       |
| <b>Respiratory System</b>        |             |   |   |   |   |           |         |
| Larynx                           | +           | I | + | + | + |           | 4       |
| Lung                             | +           | + | + | + | + |           | 5       |
| Nose                             | +           | + | + | + | + |           | 5       |
| Trachea                          | +           | + | + | + | + |           | 5       |
| <b>Special Senses System</b>     |             |   |   |   |   |           |         |
| Eye                              | +           | + | + | + | + |           | 5       |
| Harderian Gland                  | +           | + | + | + | + |           | 5       |
| <b>Urinary System</b>            |             |   |   |   |   |           |         |
| Kidney                           | +           | + | + | + | + |           | 5       |
| Urinary Bladder                  | +           | + | M | + | + |           | 4       |
| <b>SYSTEMIC LESIONS</b>          |             |   |   |   |   |           |         |
| Multiple Organ                   | +           | + | + | + | + |           | 5       |

\*\* END OF REPORT \*\*

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