

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

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

Date Report Requested: 10/19/2014
Time Report Requested: 11:44:04
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

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First Dose M/F: NA / NA

Lab: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 1.0 MG/KG			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 3.0 MG/KG			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 10.0 MG/KG			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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Lab: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 30.0 MG/KG

TOTAL 5 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 100 MG/KG

TOTAL 5 UNCENSORED DEATHS 4 CENSORED DEATHS 0 TERMINAL 1

UNCENSORED DEATH DAYS

4 4 8 15

CENSORED DEATH DAYS

none

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Lab: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18(A)	18(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100 MG/KG	100.0	60.0	60.0	40.0	40.0	40.0	40.0	20.0	20.0	20.0

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	18.0	18.0	18.0	18.0
	(0.0)	(0.0)	(0.0)	(0.0)

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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Test Compound: alpha-Thujone
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Date Report Requested: 10/19/2014
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First Dose M/F: NA / NA
Lab: MBA

**Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS**

SURVIVAL SUMMARY STATISTICS

DOSE	30.0 MG/KG	100 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	20.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	P=0.050
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	7.8 (2.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	18.0 (0.0)	9.8 (2.9)

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Route: GAVAGE

Species/Strain: Mouse/B6C3F1

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Test Compound: alpha-Thujone

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Date Report Requested: 10/19/2014

Time Report Requested: 11:44:04

First Dose M/F: NA / NA

Lab: MBA

Female MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 1.0 MG/KG			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 3.0 MG/KG			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 10.0 MG/KG			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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

Female MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 30.0 MG/KG

TOTAL 5 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 100 MG/KG

TOTAL 5 UNCENSORED DEATHS 5 CENSORED DEATHS 0 TERMINAL 0

UNCENSORED DEATH DAYS

1 1 1 4 8

CENSORED DEATH DAYS

none

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Female MOUSE
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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18(A)	18(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100 MG/KG	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
MEAN LIFE SPAN (D) (STANDARD ERROR)	18.0 (0.0)	18.0 (0.0)	18.0 (0.0)	18.0 (0.0)

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

Female MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	30.0 MG/KG	100 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	P=0.008
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	3.0 (1.4)
MEAN LIFE SPAN (D) (STANDARD ERROR)	18.0 (0.0)	3.0 (1.4)

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**** END OF REPORT ****

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)