Experiment Number: 99023-02 Test Type: 90-DAY Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: beta-Myrcene CAS Number: 123-35-3 Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

C Number:	C99023
Lock Date:	10/17/2001
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Test Compound: beta-Myrcene CAS Number: 123-35-3 Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS

	INDI	VIDUAL SURVIVAL TIMES (DAY	S)	
DOSE = 0 G/KG				
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 0.25 G/KG				
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 0.5 G/KG				
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 1.0 G/KG				
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10	
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

Test Compound: beta-Myrcene CAS Number: 123-35-3 Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE =	= 2.0 G/K	G							
TOTAL	10		UNCE	NSORED DE	EATHS 9	CENSO	ORED DEAT	HS 0	TERMINAL 1
UNCEN	SORED DE	ATH DAYS							
7	8	21	21	22	22	23	23	24	
CENSO	RED DEAT	H DAYS							
none									
DOCE		-							
DOSE =	= 4.0 G/K	G							
TOTAL		3	UNCE	NSORED DE	EATHS 10	CENSO	ORED DEAT	HS 0	TERMINAL 0
TOTAL	10	G ATH DAYS	UNCE	NSORED DE	EATHS 10	CENSO	ORED DEAT	HS 0	TERMINAL 0
TOTAL	10	_	UNCEN 3	NSORED DE	EATHS 10 3	CENSC 3	DRED DEAT	HS 0 3	TERMINAL 0 3
TOTAL UNCEN 2	10 SORED DE	ATH DAYS 3							
TOTAL UNCEN 2	10 SORED DE 2	ATH DAYS 3							

(A) FIRST TERMINAL SACRIFICE

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

Test Compound: beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOS	E					TIME	(DAYS)				
		10	20	30	40	50	60	70	80	90	93(A)
0 G/I	G	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.25	G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.5	G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0	G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.0	G/KG	80.0	80.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
4.0	G/KG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(A) FIRST TERMINAL SACRIFICE

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

Test Compound: beta-Myrcene CAS Number: 123-35-3 Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG
SURVIVAL AT END OF STUDY	100.0%	100.0%	100.0%	100.0%
(KAPLAN-MEIER)				
SIGNIFICANCE (B)	P=0.000			
(LIFE TABLE)				
MEAN DAY OF NATURAL DEATHS (C)				
(STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D)	93.0	93.0	93.0	93.0
(STANDARD ERROR)	(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

Test Compound: beta-Myrcene CAS Number: 123-35-3 Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

	Male MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS								
		SURVIVAL SUMMARY STATISTICS							
DOSE	2.0 G/KG	4.0 G/KG							
SURVIVAL AT END OF STUDY	10.0%	0.0%							
(KAPLAN-MEIER)									
SIGNIFICANCE (B)	P=0.000	P=0.000							
(LIFE TABLE)									
MEAN DAY OF NATURAL DEATHS (C)	19.0	2.8							
(STANDARD ERROR)	(2.2)	(0.1)							
MEAN LIFE SPAN (D)	26.4	2.8							
(STANDARD ERROR)	(7.7)	(0.1)							

(A) FIRST TERMINAL SACRIFICE

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

Test Compound: beta-Myrcene CAS Number: 123-35-3 Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS

	INDI	VIDUAL SURVIVAL TIMES (DAY	S)	
DOSE = 0 G/KG				
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 0.25 G/KG				
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 0.5 G/KG				
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 1.0 G/KG				
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10	
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

Test Compound: beta-Myrcene CAS Number: 123-35-3 Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

						VIDUAL SU				
DOSE =	2.0 G/K	G								
TOTAL '	10		UNCE	NSORED DE	EATHS 8	CENSC	RED DEAT	HS 0	TERMINAL 2	
UNCEN	SORED DE	EATH DAYS								
3	4	5	8	23	23	23	23			
CENSO	RED DEAT	H DAYS								
none										
DOSE =	4.0 G/K	0								
D03E =	4.0 G/K	G								
TOTAL ²		6	UNCE	NSORED DE	EATHS 10	CENSC	RED DEAT	HS 0	TERMINAL 0	
TOTAL	10	G EATH DAYS	UNCE	NSORED DE	EATHS 10	CENSC	RED DEAT	HS 0	TERMINAL 0	
TOTAL	10	-	UNCE 2	NSORED DE 2	EATHS 10 2	CENSC 2	DRED DEAT	ΉS 0 3	TERMINAL 0 3	
TOTAL 2 UNCENS 2	10 SORED DE	EATH DAYS								
TOTAL 2 UNCENS 2	10 SORED DE 2	EATH DAYS								

(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

Test Compound: beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOS	E	TIME (DAYS)									
		10	20	30	40	50	60	70	80	90	93(A)
0 G/ł	G	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.25	G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.5	G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0	G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.0	G/KG	60.0	60.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
4.0	G/KG	0.0	0.0	0.0	0.0	0.0	0.0	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

Test Compound: beta-Myrcene CAS Number: 123-35-3 Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG
SURVIVAL AT END OF STUDY	100.0%	100.0%	100.0%	100.0%
(KAPLAN-MEIER)				
SIGNIFICANCE (B)	P=0.000			
LIFE TABLE)				
MEAN DAY OF NATURAL DEATHS (C)				
STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D)	93.0	93.0	93.0	93.0
STANDARD ERROR)	(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

Test Compound: beta-Myrcene CAS Number: 123-35-3

Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 93 DAYS SURVIVAL SUMMARY STATISTICS 2.0 G/KG 4.0 G/KG DOSE SURVIVAL AT END OF STUDY 20.0% 0.0% (KAPLAN-MEIER) **SIGNIFICANCE (B)** P=0.002 P=0.000 (LIFE TABLE) MEAN DAY OF NATURAL DEATHS (C) 14.0 2.2 (STANDARD ERROR) (3.4) (0.1) 2.2 MEAN LIFE SPAN (D) 29.8 (STANDARD ERROR)

(0.1)

(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)

(10.9)

Experiment Number: 99023-02 Test Type: 90-DAY Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: beta-Myrcene CAS Number: 123-35-3

** END OF REPORT **

Date Report Requested: 10/20/2014 Time Report Requested: 17:28:21 First Dose M/F: NA / NA Lab: BAT

(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