Experiment Number: **226658**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data

Test Compound: **trans-Squalene**

CAS Number: **111-02-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **22:17:26**

NTP Study Number: 226658

Study Result: Negative

Experiment Number: **226658**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data

Test Compound: **trans-Squalene**

CAS Number: **111-02-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **22:17:26**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	128 ± 4.2	133 ± 8.3	164 ± 2.0	168 ± 10.0	151 ± 2.0
1.0	133 ± 3.1				
3.3	136 ± 1.2			164 ± 5.4	
10.0	134 ± 4.6	142 ± 6.9	145 ± 8.3	181 ± 5.3	151 ± 0.9
33.0	147 ± 7.8[p]	138 ± 3.5	153 ± 7.7	198 ± 11.5	161 ± 5.0
100.0	153 ± 6.7[p]	146 ± 9.8	163 ± 15.2	175 ± 3.8[p]	149 ± 11.3
333.0		128 ± 10.4[p]	157 ± 10.0[p]	159 ± 4.4[p]	147 ± 11.4[p]
1000.0		135 ± 16.2[p]	153 ± 10.6[p]		147 ± 4.4[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					567 ± 11.6
Positive Control[3]	327 ± 16.9	372 ± 8.0			
Positive Control[4]			783 ± 29.6		
Positive Control[5]					
Positive Control[6]				902 ± 10.7	

Experiment Number: **226658**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data

Test Compound: **trans-Squalene**

CAS Number: **111-02-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **22:17:26**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	166 ± 4.4
1.0	
3.3	153 ± 16.2
10.0	155 ± 11.3
33.0	159 ± 14.9
100.0	135 ± 3.8[p]
333.0	142 ± 5.8[p]
1000.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	722 ± 19.5
Positive Control[6]	

Experiment Number: **226658**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data

Test Compound: **trans-Squalene**

CAS Number: **111-02-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **22:17:26**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 2.1	9 ± 0.9	12 ± 2.0	18 ± 1.5	10 ± 3.0
10.0		10 ± 1.5	11 ± 2.6	17 ± 1.5	14 ± 1.2
33.0	6 ± 2.1	9 ± 0.9	10 ± 0.6	19 ± 2.9	8 ± 1.0
100.0	10 ± 1.2[p]	10 ± 2.4	11 ± 0.0	17 ± 1.3[p]	10 ± 0.9
333.0	13 ± 0.6[p]	9 ± 0.6[p]	11 ± 2.6[p]	12 ± 1.2[p]	8 ± 0.0[p]
1000.0	10 ± 0.9[p]	12 ± 1.2[p]	16 ± 3.8[p]	17 ± 3.3[p]	11 ± 2.0[p]
3333.0	12 ± 1.9[p]				
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					47 ± 4.6
Positive Control[3]	176 ± 13.2	155 ± 0.6			
Positive Control[5]					
Positive Control[6]			99 ± 2.6	86 ± 9.6	

Experiment Number: **226658**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data

Test Compound: **trans-Squalene**

CAS Number: **111-02-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **22:17:26**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	14 ± 1.2
10.0	18 ± 2.3
33.0	12 ± 3.0
100.0	17 ± 0.7[p]
333.0	16 ± 1.8[p]
1000.0	18 ± 4.1[p]
3333.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	75 ± 7.3
Positive Control[6]	

Experiment Number: **226658**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data

Test Compound: **trans-Squalene**

CAS Number: **111-02-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **22:17:26**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	203 ± 17.7	182 ± 2.3	224 ± 9.1	239 ± 3.8	191 ± 2.6
10.0		186 ± 8.9	210 ± 6.4	244 ± 3.8	186 ± 5.5
33.0	197 ± 9.0	165 ± 6.9	224 ± 1.2	243 ± 1.8	187 ± 3.1
100.0	200 ± 7.0	165 ± 6.6	213 ± 18.4	232 ± 2.4	180 ± 6.4
333.0	210 ± 22.0[p]	169 ± 10.0[p]	195 ± 23.8[p]	233 ± 10.4[p]	183 ± 4.9[p]
1000.0	186 ± 6.9[p]	166 ± 4.5[p]	203 ± 8.4[p]	226 ± 10.7[p]	189 ± 9.8[p]
3333.0	223 ± 6.7[p]				
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					1429 ± 54.6
Positive Control[6]			1509 ± 21.0	626 ± 31.9	
Positive Control[7]	717 ± 16.5	369 ± 16.9			

Experiment Number: **226658**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data

Test Compound: **trans-Squalene**

CAS Number: **111-02-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **22:17:26**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	204 ± 7.5
10.0	206 ± 8.5
33.0	189 ± 5.0
100.0	205 ± 9.8
333.0	196 ± 5.4[p]
1000.0	210 ± 9.7[p]
3333.0	
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	1506 ± 13.0
Positive Control[7]	

Experiment Number: **226658**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data

Test Compound: **trans-Squalene**

CAS Number: **111-02-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **22:17:26**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	18 ± 4.7	21 ± 1.2	35 ± 4.8	25 ± 3.1	23 ± 1.8
1.0	19 ± 1.2				
3.3	18 ± 1.2			16 ± 2.3	
10.0	20 ± 0.7	18 ± 2.4	29 ± 1.5	21 ± 0.3	25 ± 1.5
33.0	18 ± 1.5[p]	28 ± 4.7	27 ± 0.7	25 ± 3.2	22 ± 0.9
100.0	21 ± 1.7[p]	22 ± 2.5	28 ± 5.3	21 ± 4.1[p]	21 ± 3.2
333.0		20 ± 2.4[p]	29 ± 1.5[p]	27 ± 2.1[p]	22 ± 2.3[p]
1000.0		17 ± 4.4[p]	30 ± 4.1[p]		21 ± 4.7[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			136 ± 5.8		386 ± 6.4
Positive Control[5]				226 ± 7.3	
Positive Control[8]	326 ± 34.9	394 ± 20.4			

Experiment Number: **226658**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data

Test Compound: **trans-Squalene**

CAS Number: **111-02-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **22:17:26**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	20 ± 2.0
1.0	
3.3	22 ± 6.4
10.0	23 ± 2.9
33.0	23 ± 3.5
100.0	19 ± 1.7[p]
333.0	21 ± 1.7[p]
1000.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[5]	533 ± 10.3
Positive Control[8]	

LEGEND

Values given as Mean or Mean ± Standard Error Mean
The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations
CAS Number = Chemical Abstracts Service registry number
1: Vehicle Control: Acetone
2: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 24.0 ug/Plate 9-Aminoacridine
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **