Experiment Number: **469522**

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

G06: Ames Summary Data

Test Compound: **Safflower oil**

CAS Number: **8001-23-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **15:58:11**

NTP Study Number: 469522

Study Result: Negative

Experiment Number: **469522**

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

G06: Ames Summary Data

Test Compound: **Safflower oil**

CAS Number: **8001-23-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **15:58:11**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	108 ± 5.0	116 ± 6.4	140 ± 11.7	140 ± 9.2	118 ± 3.8
100.0	93 ± 4.9	110 ± 6.4	128 ± 8.5	126 ± 1.9	124 ± 4.0
333.0	81 ± 3.2	119 ± 5.5	121 ± 15.5	116 ± 11.0	143 ± 6.9
1000.0	83 ± 5.2	115 ± 9.3	116 ± 4.8	117 ± 6.4	142 ± 6.6
3333.0	85 ± 4.2	130 ± 4.6	117 ± 6.6	128 ± 3.6	136 ± 3.8
10000.0	91 ± 13.0	118 ± 3.2	142 ± 11.6	139 ± 6.1	143 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					831 ± 88.5
Positive Control[3]			344 ± 4.9	408 ± 9.3	
Positive Control[4]	872 ± 14.7	795 ± 8.2			

Experiment Number: **469522**

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

G06: Ames Summary Data

Test Compound: **Safflower oil**

CAS Number: **8001-23-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **15:58:11**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	99 ± 9.8
100.0	93 ± 3.5
333.0	109 ± 2.0
1000.0	113 ± 3.8
3333.0	102 ± 3.8
10000.0	117 ± 6.5
Trial Summary	Negative
Positive Control[2]	691 ± 38.6
Positive Control[3]	
Positive Control[4]	

Experiment Number: **469522**

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

G06: Ames Summary Data

Test Compound: **Safflower oil**

CAS Number: **8001-23-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **15:58:11**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	4 ± 1.2	12 ± 0.9	16 ± 2.9	9 ± 0.7	10 ± 1.5
100.0	4 ± 0.0	7 ± 0.6	14 ± 0.9	14 ± 0.3	10 ± 2.0
333.0	6 ± 1.5	8 ± 0.7	10 ± 1.5	11 ± 1.8	8 ± 1.5
1000.0	3 ± 0.0	12 ± 2.0	9 ± 1.5	9 ± 0.9	9 ± 1.2
3333.0	5 ± 0.6	10 ± 1.8	12 ± 3.4	12 ± 0.7	8 ± 0.6
10000.0	5 ± 1.2	6 ± 1.0	11 ± 0.6	10 ± 2.2	8 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					107 ± 5.8
Positive Control[4]	449 ± 32.5	836 ± 54.9			
Positive Control[5]			54 ± 1.0	73 ± 3.3	

Experiment Number: **469522**

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

G06: Ames Summary Data

Test Compound: **Safflower oil**

CAS Number: **8001-23-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **15:58:11**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	7 ± 0.9
100.0	7 ± 1.8
333.0	9 ± 2.3
1000.0	5 ± 1.5
3333.0	8 ± 1.2
10000.0	6 ± 0.6
Trial Summary	Negative
Positive Control[3]	176 ± 17.0
Positive Control[4]	
Positive Control[5]	

Experiment Number: **469522**

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

G06: Ames Summary Data

Test Compound: **Safflower oil**

CAS Number: **8001-23-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **15:58:11**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	149 ± 6.6	165 ± 5.8	189 ± 5.7	196 ± 8.4	168 ± 5.6
100.0	137 ± 5.8	174 ± 4.7	213 ± 3.2	213 ± 6.4	149 ± 18.0
333.0	135 ± 9.4	168 ± 4.5	206 ± 4.7	206 ± 14.8	167 ± 2.6
1000.0	139 ± 22.5	169 ± 6.7	193 ± 7.2	230 ± 3.7	155 ± 2.6
3333.0	140 ± 7.6	173 ± 4.2	192 ± 3.8	224 ± 3.5	165 ± 6.6
10000.0	143 ± 17.6	162 ± 8.1	181 ± 14.7	216 ± 10.9	166 ± 3.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					446 ± 20.9
Positive Control[3]			310 ± 1.0	386 ± 10.6	
Positive Control[6]	553 ± 26.8	426 ± 29.4			

Experiment Number: **469522**

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

G06: Ames Summary Data

Test Compound: **Safflower oil**

CAS Number: **8001-23-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **15:58:11**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	148 ± 6.1
100.0	132 ± 3.6
333.0	134 ± 5.9
1000.0	155 ± 16.3
3333.0	154 ± 0.7
10000.0	161 ± 4.6
Trial Summary	Negative
Positive Control[2]	367 ± 9.7
Positive Control[3]	
Positive Control[6]	

Experiment Number: **469522**

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

G06: Ames Summary Data

Test Compound: **Safflower oil**

CAS Number: **8001-23-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **15:58:11**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	32 ± 4.6	18 ± 0.6	47 ± 4.1	46 ± 1.5	36 ± 5.9
100.0	22 ± 3.7	18 ± 0.9	38 ± 7.0	36 ± 2.9	25 ± 9.3
333.0	24 ± 3.1	16 ± 0.0	46 ± 3.4	38 ± 3.6	29 ± 6.2
1000.0	22 ± 2.7	22 ± 3.4	35 ± 4.4	26 ± 6.2	35 ± 3.3
3333.0	20 ± 2.6	17 ± 0.9	42 ± 7.7	25 ± 4.3	31 ± 7.8
10000.0	24 ± 6.1	19 ± 2.1	34 ± 5.6	31 ± 5.9	31 ± 8.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			262 ± 11.5	141 ± 5.8	954 ± 30.9
Positive Control[7]	528 ± 41.1	777 ± 9.2			

Experiment Number: **469522**

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

G06: Ames Summary Data

Test Compound: **Safflower oil**

CAS Number: **8001-23-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **15:58:11**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	24 ± 3.2
100.0	17 ± 0.9
333.0	30 ± 1.9
1000.0	21 ± 3.1
3333.0	17 ± 1.5
10000.0	22 ± 3.2
Trial Summary	Negative
Positive Control[2]	503 ± 36.3
Positive Control[7]	

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: Dimethyl Sulfoxide
2: 1.0 ug/Plate 2-Aminoanthracene
3: 2.5 ug/Plate 2-Aminoanthracene
4: 5.0 ug/Plate Sodium Azide
5: 5.0 ug/Plate 2-Aminoanthracene
6: 50.0 ug/Plate 9-Aminoacridine
7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **