Experiment Number: **038199**

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

G06: Ames Summary Data

Test Compound: **Linseed oil**

CAS Number: **8001-26-1**

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

Time Report Requested: **19:57:03**

NTP Study Number: 038199

Study Result: Negative

Experiment Number: **038199**

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

G06: Ames Summary Data

Test Compound: **Linseed oil**

CAS Number: **8001-26-1**

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

Time Report Requested: **19:57:03**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	179 ± 7.1	110 ± 11.0	129 ± 2.3	173 ± 9.8	140 ± 4.0
10.0			147 ± 4.8	165 ± 3.2	134 ± 3.3
33.0	201 ± 11.6	127 ± 4.0	130 ± 6.2	185 ± 8.4	125 ± 2.2
100.0	212 ± 2.5	125 ± 4.5	144 ± 0.7	161 ± 9.0[p]	131 ± 1.2
333.0	190 ± 10.6[p]	130 ± 3.8	134 ± 6.1[p]	161 ± 3.5[p]	134 ± 4.3[p]
1000.0	198 ± 12.6[p]	118 ± 11.7[p]	153 ± 5.5[p]	201 ± 3.3[p]	152 ± 5.8[p]
3333.0	207 ± 15.0[p]	123 ± 10.0[p]			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					470 ± 13.5
Positive Control[3]	544 ± 24.0	531 ± 35.4			
Positive Control[4]			1174 ± 39.8		
Positive Control[5]					
Positive Control[6]				617 ± 21.1	

Experiment Number: **038199**

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

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CAS Number: **8001-26-1**

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

Time Report Requested: **19:57:03**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	151 ± 6.8
10.0	174 ± 8.0
33.0	162 ± 18.1
100.0	173 ± 17.6[p]
333.0	160 ± 8.1[p]
1000.0	183 ± 2.9[p]
3333.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	680 ± 14.5
Positive Control[6]	

Experiment Number: **038199**

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

G06: Ames Summary Data

Test Compound: **Linseed oil**

CAS Number: **8001-26-1**

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

Time Report Requested: **19:57:03**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 0.7	7 ± 2.0	5 ± 1.2	10 ± 1.2	9 ± 0.3
10.0			12 ± 1.2	11 ± 2.5	9 ± 1.0
33.0	12 ± 1.2	8 ± 2.3	8 ± 2.5	11 ± 0.7	8 ± 2.0
100.0	9 ± 1.2	8 ± 1.5	10 ± 1.2	14 ± 0.3	11 ± 2.3
333.0	8 ± 1.5[p]	11 ± 0.3[p]	8 ± 1.0[p]	10 ± 2.0[p]	10 ± 2.1[p]
1000.0	8 ± 1.3[p]	9 ± 2.6[p]	15 ± 2.3[p]	12 ± 1.2[p]	11 ± 0.9[p]
3333.0	13 ± 1.5[p]	8 ± 1.2[p]			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					42 ± 5.6
Positive Control[3]	175 ± 10.8	385 ± 16.3			
Positive Control[5]					
Positive Control[6]			139 ± 9.4	130 ± 2.1	

Experiment Number: **038199**

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

G06: Ames Summary Data

Test Compound: **Linseed oil**

CAS Number: **8001-26-1**

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

Time Report Requested: **19:57:03**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	13 ± 1.0
10.0	13 ± 1.9
33.0	11 ± 3.5
100.0	9 ± 0.9
333.0	8 ± 0.3[p]
1000.0	13 ± 2.5[p]
3333.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	49 ± 1.8
Positive Control[6]	

Experiment Number: **038199**

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

G06: Ames Summary Data

Test Compound: **Linseed oil**

CAS Number: **8001-26-1**

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

Time Report Requested: **19:57:03**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	130 ± 3.3	134 ± 4.9	165 ± 4.6	167 ± 1.5	171 ± 14.0
10.0			166 ± 6.1	153 ± 5.0	196 ± 6.1
33.0	124 ± 0.0	147 ± 7.3	155 ± 7.0	186 ± 0.9	193 ± 8.7
100.0	136 ± 6.4	145 ± 9.6	169 ± 5.8	158 ± 6.4	181 ± 15.6
333.0	122 ± 10.7	148 ± 4.0	163 ± 7.3[p]	156 ± 1.5[p]	183 ± 5.5
1000.0	133 ± 4.2[p]	147 ± 7.0[p]	189 ± 11.0[p]	142 ± 0.7[p]	196 ± 11.7[p]
3333.0	120 ± 13.7[p]	130 ± 2.9[p]			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					953 ± 17.6
Positive Control[6]			1389 ± 29.3	1246 ± 39.3	
Positive Control[7]	773 ± 55.6	367 ± 11.4			

Experiment Number: **038199**

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

G06: Ames Summary Data

Test Compound: **Linseed oil**

CAS Number: **8001-26-1**

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

Time Report Requested: **19:57:03**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	116 ± 9.5
10.0	122 ± 8.8
33.0	135 ± 9.8
100.0	127 ± 2.9
333.0	134 ± 4.8[p]
1000.0	134 ± 9.7[p]
3333.0	
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	759 ± 22.2
Positive Control[7]	

Experiment Number: **038199**

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

G06: Ames Summary Data

Test Compound: **Linseed oil**

CAS Number: **8001-26-1**

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

Time Report Requested: **19:57:03**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	26 ± 3.2	26 ± 3.4	29 ± 3.1	40 ± 2.3	29 ± 4.0
10.0			30 ± 2.3	37 ± 1.2	23 ± 3.2
33.0	22 ± 0.9	27 ± 1.5	31 ± 4.6	38 ± 3.2	28 ± 2.6
100.0	24 ± 1.8	25 ± 2.8	28 ± 2.0	38 ± 6.4[p]	30 ± 5.9
333.0	28 ± 1.2[p]	20 ± 1.2[p]	26 ± 4.0[p]	43 ± 1.2[p]	29 ± 1.5[p]
1000.0	24 ± 0.3[p]	23 ± 0.3[p]	24 ± 2.9[p]	37 ± 2.7[p]	25 ± 4.4[p]
3333.0	27 ± 1.2[p]	20 ± 1.5[p]			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			400 ± 10.9		464 ± 33.2
Positive Control[5]				150 ± 7.0	
Positive Control[8]	248 ± 13.9	294 ± 12.2			

Experiment Number: **038199**

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

G06: Ames Summary Data

Test Compound: **Linseed oil**

CAS Number: **8001-26-1**

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

Time Report Requested: **19:57:03**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	34 ± 6.0
10.0	36 ± 9.3
33.0	34 ± 0.9
100.0	30 ± 2.6[p]
333.0	32 ± 5.0[p]
1000.0	30 ± 3.4[p]
3333.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[5]	513 ± 27.0
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 **