

Experiment Number: 888405

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

G06: Ames Summary Data

Test Compound: **Cottonseed oil**

CAS Number: **8001-29-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:10:19**

NTP Study Number:

888405

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: Cottonseed oil

CAS Number: 8001-29-4

Date Report Requested: 09/16/2018

Time Report Requested: 20:10:19

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	147 ± 6.8	149 ± 6.6	150 ± 12.4	171 ± 9.1	115 ± 5.0
100.0	122 ± 7.3	155 ± 13.1	138 ± 11.5	160 ± 6.2	98 ± 4.7
333.0	127 ± 6.4	138 ± 12.9	148 ± 9.1	164 ± 12.5	110 ± 12.3
1000.0	123 ± 6.4	138 ± 4.5	136 ± 11.6	150 ± 8.2	115 ± 10.2
3333.0	140 ± 7.9	129 ± 7.2	136 ± 3.2	145 ± 15.8	118 ± 6.9
10000.0	133 ± 9.0	128 ± 19.6	159 ± 2.0	166 ± 10.3	111 ± 9.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					852 ± 9.8
Positive Control ³			358 ± 9.0		
Positive Control ⁴				436 ± 8.7	
Positive Control ⁵	1027 ± 34.4	1011 ± 2.7			

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Date Report Requested: 09/16/2018

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	159 ± 9.2
100.0	173 ± 6.2
333.0	144 ± 16.0
1000.0	162 ± 6.4
3333.0	160 ± 21.5
10000.0	129 ± 15.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	824 ± 28.6
Positive Control ⁴	
Positive Control ⁵	

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Date Report Requested: 09/16/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.4	8 ± 1.5	13 ± 1.8	18 ± 0.6	10 ± 1.8
100.0	13 ± 0.7	4 ± 0.6	7 ± 1.5	15 ± 2.6	7 ± 2.0
333.0	13 ± 3.5	5 ± 2.2	9 ± 0.6	11 ± 2.9	9 ± 1.5
1000.0	15 ± 1.3	6 ± 1.2	12 ± 2.6	17 ± 0.7	7 ± 0.3
3333.0	13 ± 0.3	8 ± 0.6	11 ± 0.9	12 ± 2.7	8 ± 1.9
10000.0	10 ± 0.9	7 ± 0.6	8 ± 1.2	13 ± 2.7	11 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					56 ± 6.7
Positive Control ⁴			64 ± 7.0		
Positive Control ⁵	958 ± 34.3	885 ± 45.1			
Positive Control ⁶				105 ± 3.6	

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Test Compound: Cottonseed oil

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Date Report Requested: 09/16/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 0.9
100.0	9 ± 0.3
333.0	12 ± 1.5
1000.0	9 ± 1.5
3333.0	14 ± 3.2
10000.0	14 ± 1.7
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	607 ± 16.8
Positive Control ⁵	
Positive Control ⁶	

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Test Compound: Cottonseed oil
CAS Number: 8001-29-4

Date Report Requested: 09/16/2018
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Strain: TA1537

Dose (ug/Plate)	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	4 ± 1.2	7 ± 0.9	5 ± 1.7
100.0	6 ± 0.3	6 ± 1.2	6 ± 0.6
333.0	5 ± 0.6	7 ± 0.3	7 ± 2.0
1000.0	3 ± 0.7	7 ± 1.2	8 ± 0.5
3333.0	3 ± 0.3	5 ± 0.7	6 ± 0.7
10000.0	6 ± 0.9	5 ± 0.3	7 ± 0.3
Trial Summary	Negative	Negative	Negative
Positive Control ³	26 ± 1.2	20 ± 1.7	
Positive Control ⁴			20 ± 2.2

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Test Compound: Cottonseed oil

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Date Report Requested: 09/16/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	196 ± 3.2	152 ± 5.2	223 ± 7.6	218 ± 1.7	210 ± 8.5
100.0	203 ± 5.5	158 ± 1.5	233 ± 6.7	207 ± 6.7	204 ± 4.6
333.0	191 ± 18.4	153 ± 0.9	209 ± 15.3	206 ± 21.8	241 ± 14.3
666.0					213 ± 7.8
1000.0	215 ± 4.9	159 ± 4.7	226 ± 9.9	272 ± 6.4	212 ± 6.4
1666.0					219 ± 10.5
3333.0	190 ± 11.6	155 ± 4.3	200 ± 7.7	247 ± 17.5	199 ± 8.7
10000.0	183 ± 7.5	155 ± 9.1	199 ± 7.0	235 ± 12.4	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²					
Positive Control ³			460 ± 24.8	374 ± 14.2	367 ± 10.4
Positive Control ⁴					
Positive Control ⁷	742 ± 42.2	374 ± 12.2			

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Strain: TA97

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	174 ± 8.6	192 ± 14.4	235 ± 15.0	230 ± 4.2	177 ± 7.0
100.0	186 ± 2.3	233 ± 14.4	250 ± 9.8	234 ± 2.7	187 ± 3.6
333.0	169 ± 4.4	240 ± 8.7	249 ± 14.5	195 ± 6.0	194 ± 6.0
666.0				213 ± 2.7	
1000.0	171 ± 6.4	252 ± 9.4	280 ± 1.5	233 ± 5.2	176 ± 17.3
1666.0				277 ± 4.0	
3333.0	170 ± 10.2	258 ± 6.9	299 ± 7.0	260 ± 12.1	196 ± 6.4
10000.0	190 ± 11.3	235 ± 9.4	246 ± 10.5		196 ± 3.8
Trial Summary	Negative	Equivocal	Equivocal	Negative	Negative
Positive Control ²					441 ± 22.0
Positive Control ³	248 ± 8.1				
Positive Control ⁴		429 ± 13.6	442 ± 3.5	387 ± 38.3	
Positive Control ⁷					

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	178 ± 1.5
100.0	210 ± 1.5
333.0	188 ± 12.0
666.0	
1000.0	183 ± 10.7
1666.0	
3333.0	185 ± 3.8
10000.0	164 ± 13.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	436 ± 2.2
Positive Control ⁴	
Positive Control ⁷	

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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 ± 6.2	8 ± 3.5	44 ± 6.7	25 ± 1.9	37 ± 2.1
100.0	26 ± 2.9	7 ± 1.5	47 ± 6.1	19 ± 1.2	38 ± 5.8
333.0	26 ± 4.1	6 ± 0.9	35 ± 5.4	19 ± 3.0	44 ± 4.3
1000.0	29 ± 6.1	8 ± 1.2	33 ± 8.0	26 ± 3.4	37 ± 5.5
3333.0	32 ± 6.8	9 ± 0.3	38 ± 1.2	20 ± 3.6	41 ± 1.8
10000.0	23 ± 2.4	7 ± 1.0	36 ± 8.3	20 ± 1.7	39 ± 6.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					660 ± 6.9
Positive Control ³			223 ± 14.5	125 ± 31.8	
Positive Control ⁸	680 ± 31.5	506 ± 11.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	35 ± 4.5
100.0	30 ± 1.5
333.0	35 ± 2.9
1000.0	29 ± 2.4
3333.0	28 ± 1.7
10000.0	32 ± 3.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	542 ± 38.6
Positive Control ⁸	

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LEGEND

Values given as Mean or Mean \pm 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: Water

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **