

Experiment Number: 945885

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Locust bean gum

CAS Number: 9000-40-2

Date Report Requested: 09/17/2018

Time Report Requested: 16:35:34

NTP Study Number:

945885

Study Result:

Negative

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Test Compound: Locust bean gum

CAS Number: 9000-40-2

Date Report Requested: 09/17/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	114 ± 6.7	178 ± 7.5	171 ± 5.5	148 ± 12.4	147 ± 9.8
100.0	111 ± 9.9	181 ± 8.1	143 ± 13.1	129 ± 9.9	140 ± 4.1
333.0	117 ± 5.8	207 ± 9.4	156 ± 7.2	144 ± 7.5	127 ± 6.1
1000.0	122 ± 16.4	190 ± 0.3	186 ± 1.8	150 ± 6.4	123 ± 9.4
3333.0	123 ± 5.2	194 ± 1.5	173 ± 5.2	145 ± 1.5	140 ± 6.2
10000.0	117 ± 12.4	181 ± 4.2	179 ± 2.3	148 ± 12.2	135 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1579 ± 113.1
Positive Control ³			727 ± 44.4		
Positive Control ⁴	405 ± 19.0	435 ± 3.2			
Positive Control ⁵				467 ± 11.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	131 ± 9.9
100.0	124 ± 9.6
333.0	141 ± 3.4
1000.0	138 ± 0.3
3333.0	143 ± 6.1
10000.0	141 ± 2.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	639 ± 6.7
Positive Control ⁴	
Positive Control ⁵	

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Mutagenicity**G06: Ames Summary Data**Test Compound: Locust bean gum
CAS Number: 9000-40-2

Date Report Requested: 09/17/2018

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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	18 ± 1.9	28 ± 3.4	10 ± 1.9	8 ± 1.0	10 ± 0.0
100.0	14 ± 1.2	26 ± 1.5	9 ± 0.6	11 ± 3.4	10 ± 1.5
333.0	14 ± 2.1	26 ± 1.2	9 ± 1.9	7 ± 1.2	9 ± 1.7
1000.0	16 ± 2.1	23 ± 3.5	7 ± 0.6	12 ± 1.5	10 ± 1.5
3333.0	8 ± 3.9	22 ± 1.2	10 ± 1.8	10 ± 1.5	12 ± 2.0
10000.0	14 ± 0.6	18 ± 2.4	7 ± 1.3	10 ± 3.0	9 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					196 ± 6.1
Positive Control ⁴	393 ± 5.7	386 ± 13.5			
Positive Control ⁵			126 ± 6.3		
Positive Control ⁶				166 ± 7.2	

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Test Compound: Locust bean gum

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Date Report Requested: 09/17/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.2
100.0	10 ± 1.5
333.0	6 ± 0.0
1000.0	13 ± 1.9
3333.0	12 ± 2.7
10000.0	9 ± 1.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	709 ± 59.7
Positive Control ⁶	

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Test Compound: Locust bean gum
CAS Number: 9000-40-2

Date Report Requested: 09/17/2018
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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	8 ± 0.7	8 ± 2.2	11 ± 2.6
100.0	10 ± 2.3	9 ± 2.8	9 ± 0.9
333.0	10 ± 1.9	8 ± 1.2	11 ± 2.8
1000.0	9 ± 0.3	10 ± 1.5	11 ± 2.3
3333.0	10 ± 1.8	13 ± 2.1	14 ± 1.2
10000.0	8 ± 1.5	10 ± 1.2	10 ± 1.9
Trial Summary	Negative	Negative	Negative
Positive Control ³			72 ± 8.0
Positive Control ⁵		59 ± 2.1	
Positive Control ⁷	492 ± 10.2		

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Date Report Requested: 09/17/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	140 ± 5.8	199 ± 0.9	196 ± 9.2	186 ± 9.1	202 ± 9.9
100.0	145 ± 11.3	187 ± 6.8	204 ± 7.8	183 ± 4.2	199 ± 11.8
333.0	147 ± 3.8	195 ± 4.9	194 ± 2.0	204 ± 1.8	205 ± 7.4
1000.0	149 ± 3.0	186 ± 3.4	214 ± 4.4	180 ± 14.3	183 ± 15.7
3333.0	139 ± 6.1	171 ± 20.5	202 ± 6.0	203 ± 2.6	196 ± 13.1
10000.0	136 ± 8.0	164 ± 17.3	175 ± 5.8	194 ± 3.3	188 ± 19.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					708 ± 9.5
Positive Control ³			640 ± 6.6		
Positive Control ⁵				472 ± 39.7	
Positive Control ⁷	627 ± 41.8	492 ± 35.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	142 ± 2.8
100.0	195 ± 4.6
333.0	197 ± 10.2
1000.0	174 ± 10.7
3333.0	120 ± 9.4
10000.0	112 ± 14.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	513 ± 14.9
Positive Control ⁵	
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 ± 1.7	23 ± 2.4	24 ± 3.8	40 ± 2.7	33 ± 4.7
100.0	22 ± 1.9	20 ± 2.3	27 ± 6.4	43 ± 2.6	30 ± 3.3
333.0	23 ± 1.3	18 ± 1.5	32 ± 7.0	41 ± 2.3	26 ± 2.0
1000.0	21 ± 2.3	13 ± 0.6	27 ± 1.8	38 ± 4.1	29 ± 2.2
3333.0	20 ± 3.1	13 ± 2.7	23 ± 2.8	44 ± 2.8	21 ± 4.9
10000.0	22 ± 2.6	13 ± 2.6	22 ± 2.3	46 ± 2.1	28 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					760 ± 47.1
Positive Control ³			425 ± 15.6	134 ± 18.4	
Positive Control ⁸	498 ± 44.7	519 ± 30.9			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 1.8
100.0	34 ± 6.0
333.0	24 ± 1.0
1000.0	25 ± 2.1
3333.0	31 ± 1.5
10000.0	25 ± 2.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	481 ± 63.5
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: Dimethyl Sulfoxide

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

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 ****