

Experiment Number: 421947

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

G06: Ames Summary Data

Test Compound: **Gum Arabic**

CAS Number: **9000-01-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:36:34**

NTP Study Number:

421947

Study Result:

Negative

Experiment Number: 421947

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Gum Arabic

CAS Number: 9000-01-5

Date Report Requested: 09/15/2018

Time Report Requested: 05:36:34

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	92 ± 5.9	144 ± 17.3	141 ± 16.5	91 ± 7.0	138 ± 5.2
100.0	92 ± 6.0	139 ± 4.0	131 ± 9.6	94 ± 7.4	122 ± 6.9
333.0	102 ± 6.6	129 ± 6.8	139 ± 15.6	100 ± 4.0	124 ± 12.5
1000.0	96 ± 2.7	151 ± 8.0	138 ± 2.1	87 ± 4.7	119 ± 4.7
3333.0	123 ± 3.5	127 ± 0.9	136 ± 16.1	104 ± 0.9	124 ± 4.7
10000.0	99 ± 7.4	117 ± 6.7	146 ± 11.1	100 ± 6.4	104 ± 3.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1197 ± 48.6
Positive Control ³			594 ± 44.0		
Positive Control ⁴	360 ± 14.7	367 ± 12.0			
Positive Control ⁵				404 ± 32.9	

Experiment Number: 421947
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Gum Arabic
CAS Number: 9000-01-5

Date Report Requested: 09/15/2018
Time Report Requested: 05:36:34

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	115 ± 1.9
100.0	94 ± 3.8
333.0	121 ± 2.9
1000.0	109 ± 3.2
3333.0	104 ± 4.6
10000.0	108 ± 5.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	579 ± 21.7
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 421947

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Gum Arabic

CAS Number: 9000-01-5

Date Report Requested: 09/15/2018

Time Report Requested: 05:36:34

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 3.5	37 ± 3.8	12 ± 2.5	15 ± 2.3	14 ± 3.2
100.0	22 ± 2.7	33 ± 2.0	10 ± 1.9	16 ± 1.2	10 ± 2.2
333.0	23 ± 2.0	34 ± 3.0	11 ± 0.7	13 ± 2.4	9 ± 0.9
1000.0	26 ± 3.5	30 ± 2.1	8 ± 0.9	17 ± 1.3	11 ± 0.3
3333.0	30 ± 3.9	34 ± 2.3	10 ± 1.2	16 ± 2.2	9 ± 2.6
10000.0	22 ± 4.2	33 ± 0.6	10 ± 0.7	18 ± 3.2	6 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					190 ± 13.6
Positive Control ⁴	441 ± 54.8	317 ± 6.3			
Positive Control ⁵			120 ± 4.4		
Positive Control ⁶				159 ± 31.2	

Experiment Number: 421947
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Gum Arabic
CAS Number: 9000-01-5

Date Report Requested: 09/15/2018
Time Report Requested: 05:36:34

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 0.6
100.0	18 ± 1.2
333.0	17 ± 0.9
1000.0	15 ± 1.8
3333.0	15 ± 1.7
10000.0	14 ± 2.1
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	391 ± 24.9
Positive Control ⁶	

Experiment Number: 421947
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Gum Arabic
CAS Number: 9000-01-5

Date Report Requested: 09/15/2018
Time Report Requested: 05:36:34

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	7 ± 1.8	13 ± 3.2	13 ± 2.1
100.0	9 ± 2.1	8 ± 0.6	16 ± 0.7
333.0	8 ± 2.3	10 ± 2.4	14 ± 3.2
1000.0	13 ± 4.0	15 ± 1.2	14 ± 2.0
3333.0	9 ± 3.2	14 ± 3.5	11 ± 1.2
10000.0	9 ± 1.7	13 ± 4.3	9 ± 2.7
Trial Summary	Negative	Negative	Negative
Positive Control ³			78 ± 1.8
Positive Control ⁵		41 ± 0.6	
Positive Control ⁷	818 ± 70.0		

Experiment Number: 421947

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Gum Arabic

CAS Number: 9000-01-5

Date Report Requested: 09/15/2018

Time Report Requested: 05:36:34

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	139 ± 8.9	190 ± 6.0	186 ± 6.4	193 ± 18.3	173 ± 10.6
100.0	155 ± 10.9	187 ± 8.3	221 ± 7.0	200 ± 1.5	202 ± 2.9
333.0	153 ± 4.4	185 ± 11.1	211 ± 4.7	201 ± 4.4	199 ± 4.3
1000.0	169 ± 2.8	184 ± 2.9	204 ± 14.9	210 ± 14.0	193 ± 9.3
3333.0	160 ± 6.4	172 ± 8.7	196 ± 11.0	175 ± 19.5	161 ± 12.0
10000.0	164 ± 5.0	179 ± 7.0	202 ± 7.5	197 ± 6.4	180 ± 13.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					967 ± 27.8
Positive Control ³			519 ± 25.6		
Positive Control ⁵				355 ± 13.2	
Positive Control ⁷	615 ± 12.3	765 ± 16.6			

Experiment Number: 421947

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Gum Arabic

CAS Number: 9000-01-5

Date Report Requested: 09/15/2018

Time Report Requested: 05:36:34

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	187 ± 10.5
100.0	185 ± 22.1
333.0	180 ± 9.8
1000.0	197 ± 5.0
3333.0	206 ± 2.6
10000.0	189 ± 6.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	536 ± 21.8
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: 421947

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Gum Arabic

CAS Number: 9000-01-5

Date Report Requested: 09/15/2018

Time Report Requested: 05:36:34

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.2	18 ± 2.4	32 ± 0.7	29 ± 1.5	31 ± 2.9
100.0	17 ± 1.2	23 ± 5.2	34 ± 4.2	34 ± 2.1	33 ± 2.3
333.0	18 ± 1.0	19 ± 1.0	32 ± 1.5	49 ± 4.1	35 ± 4.3
1000.0	16 ± 1.5	21 ± 2.3	28 ± 0.6	45 ± 5.7	28 ± 1.7
3333.0	15 ± 0.3	17 ± 1.5	29 ± 0.7	40 ± 1.9	31 ± 1.2
10000.0	13 ± 1.5	20 ± 0.9	27 ± 2.7	47 ± 3.8	29 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					847 ± 61.7
Positive Control ³			379 ± 39.7	170 ± 11.3	
Positive Control ⁸	558 ± 20.6	598 ± 20.6			

Experiment Number: 421947

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Gum Arabic

CAS Number: 9000-01-5

Date Report Requested: 09/15/2018

Time Report Requested: 05:36:34

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	23 ± 3.7
100.0	24 ± 1.7
333.0	29 ± 2.0
1000.0	24 ± 2.3
3333.0	33 ± 3.2
10000.0	28 ± 0.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	454 ± 62.7
Positive Control ⁸	

Experiment Number: 421947
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Gum Arabic
CAS Number: 9000-01-5

Date Report Requested: 09/15/2018
Time Report Requested: 05:36:34

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: 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 **