

Experiment Number: 226913

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

G06: Ames Summary Data

Test Compound: **Dammar**

CAS Number: **9000-16-2**

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

Time Report Requested: **22:21:16**

NTP Study Number:

226913

Study Result:

Negative

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Test Compound: Dammar

CAS Number: 9000-16-2

Date Report Requested: 09/14/2018

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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	137 ± 8.8	161 ± 7.0	140 ± 18.4	193 ± 16.1	150 ± 12.6
100.0	120 ± 5.4	141 ± 2.4	132 ± 3.3	174 ± 7.8	123 ± 9.0
333.0	121 ± 5.7	144 ± 7.9	119 ± 2.0	171 ± 11.9	130 ± 11.1
1000.0	115 ± 1.9 ^P	151 ± 10.1 ^P	116 ± 11.9 ^P	174 ± 9.7 ^P	129 ± 7.4 ^P
3333.0	118 ± 6.5 ^P	124 ± 6.6 ^P	117 ± 16.2 ^P	166 ± 11.0 ^P	116 ± 7.5 ^P
10000.0	93 ± 3.2 ^P	135 ± 5.3 ^P	106 ± 10.2 ^P	100 ± 24.5 ^P	111 ± 0.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	584 ± 3.0	431 ± 12.4			
Positive Control ³			810 ± 16.7	548 ± 19.5	2032 ± 10.1

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	146 ± 5.6
100.0	175 ± 6.0
333.0	160 ± 17.3
1000.0	167 ± 2.2 ^P
3333.0	164 ± 1.5 ^P
10000.0	143 ± 4.9 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1068 ± 37.2

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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	48 ± 3.3	29 ± 2.1	10 ± 2.0	16 ± 1.9	18 ± 1.2
100.0	42 ± 8.6	22 ± 3.2	11 ± 3.8	11 ± 3.5	13 ± 0.7
333.0	31 ± 3.5	18 ± 2.9	10 ± 1.5	11 ± 1.9	10 ± 2.1
1000.0	36 ± 3.5 ^P	19 ± 2.3 ^P	15 ± 3.5 ^P	10 ± 1.8 ^P	10 ± 0.4 ^P
3333.0	31 ± 2.7 ^P	17 ± 2.3 ^P	12 ± 0.4 ^P	7 ± 1.7 ^P	9 ± 1.2 ^P
10000.0	25 ± 4.1 ^P	14 ± 2.5 ^P	13 ± 3.2 ^P	9 ± 2.2 ^P	7 ± 1.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	591 ± 4.1	426 ± 36.3			
Positive Control ⁴			193 ± 8.9	161 ± 9.2	486 ± 54.7

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.7
100.0	10 ± 1.3
333.0	11 ± 2.3
1000.0	9 ± 3.2 ^p
3333.0	9 ± 1.5 ^p
10000.0	10 ± 1.0 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	488 ± 69.8

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CAS Number: 9000-16-2

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	160 ± 3.7	208 ± 12.7	198 ± 9.3	206 ± 21.3	191 ± 5.8
100.0	157 ± 12.8	195 ± 12.5	203 ± 3.9	206 ± 27.6	183 ± 18.7
333.0	172 ± 4.8	199 ± 15.1	210 ± 10.7	204 ± 14.4	206 ± 14.4
1000.0	181 ± 2.6 ^P	202 ± 5.2 ^P	214 ± 7.0 ^P	202 ± 15.0 ^P	168 ± 11.0 ^P
3333.0	159 ± 7.3 ^P	218 ± 6.4 ^P	187 ± 4.5 ^P	212 ± 14.7 ^P	173 ± 22.6 ^P
10000.0	169 ± 11.9 ^P	207 ± 0.0 ^P	201 ± 10.3 ^P	222 ± 13.5 ^P	165 ± 9.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1290 ± 59.9	887 ± 22.6	1670 ± 10.5
Positive Control ⁵	674 ± 65.1	1622 ± 145.8			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	197 ± 4.8
100.0	180 ± 9.0
333.0	188 ± 0.9
1000.0	201 ± 5.6 ^P
3333.0	219 ± 5.5 ^P
10000.0	203 ± 14.2 ^P
Trial Summary	Negative
Positive Control ⁴	1723 ± 44.3
Positive Control ⁵	

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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	18 ± 4.4	21 ± 1.2	33 ± 2.1	48 ± 2.0	33 ± 2.7
100.0	18 ± 1.8	22 ± 0.9	32 ± 3.5	39 ± 2.9	27 ± 5.2
333.0	18 ± 2.7	17 ± 1.5	27 ± 3.5	33 ± 3.8	28 ± 0.3
1000.0	17 ± 3.2 ^p	18 ± 2.1 ^p	27 ± 3.2 ^p	38 ± 6.0 ^p	31 ± 1.3 ^p
3333.0	16 ± 2.6 ^p	13 ± 1.8 ^p	22 ± 2.9 ^p	34 ± 4.2 ^p	27 ± 3.8 ^p
10000.0	14 ± 1.2 ^p	14 ± 1.0 ^p	23 ± 2.7 ^p	26 ± 2.7 ^p	30 ± 5.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			364 ± 12.5	225 ± 18.4	1088 ± 14.9
Positive Control ⁶	860 ± 80.3	562 ± 16.2			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	35 ± 2.0
100.0	33 ± 3.5
333.0	35 ± 0.9
1000.0	34 ± 2.1 ^P
3333.0	30 ± 3.6 ^P
10000.0	32 ± 0.4 ^P
Trial Summary	Negative
Positive Control ³	410 ± 27.5
Positive Control ⁶	

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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: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****