

Experiment Number: **442978**

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

G06: Ames Summary Data

Test Compound: **Allyl acrylate**

CAS Number: **999-55-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **22:00:43**

NTP Study Number:

442978

Study Result:

Negative

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Date Report Requested: 09/10/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	121 ± 7.0	94 ± 4.7	167 ± 10.2	101 ± 3.5	169 ± 12.3
3.3			149 ± 1.2	101 ± 3.5	147 ± 10.6
10.0	133 ± 8.7	94 ± 3.0	148 ± 5.2	103 ± 2.9	144 ± 3.8
33.0	133 ± 5.3	86 ± 7.7	150 ± 1.5	103 ± 2.1	153 ± 3.2
100.0	146 ± 3.4	84 ± 3.5	162 ± 14.4	88 ± 3.3	147 ± 2.3
333.0	128 ± 7.0	81 ± 3.3	133 ± 2.6	79 ± 5.2	128 ± 5.5
1000.0	Toxic	Toxic			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2826 ± 91.3	2291 ± 115.9	2132 ± 77.1
Positive Control ³	1363 ± 82.4	357 ± 29.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	108 ± 8.8
3.3	93 ± 6.8
10.0	99 ± 2.0
33.0	110 ± 9.0
100.0	93 ± 4.7
333.0	82 ± 1.8
1000.0	
Trial Summary	Negative
Positive Control ²	1368 ± 54.6
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.7	8 ± 1.2	12 ± 0.9	9 ± 2.3	20 ± 3.8
3.3			12 ± 1.5	7 ± 1.2	16 ± 0.3
10.0	12 ± 1.5	16 ± 0.6	13 ± 0.0	6 ± 1.5	13 ± 0.6
33.0	16 ± 1.5	10 ± 0.7	9 ± 0.6	9 ± 1.2	14 ± 3.1
100.0	12 ± 1.5	10 ± 1.2	9 ± 1.2	7 ± 1.2	12 ± 1.5
333.0	12 ± 0.3	7 ± 1.2	12 ± 0.3	3 ± 0.9	6 ± 3.5
1000.0	9 ± 0.9	8 ± 2.0			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			454 ± 55.9	318 ± 17.7	570 ± 55.9
Positive Control ³	1787 ± 100.6	1171 ± 32.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.8
3.3	10 ± 2.0
10.0	9 ± 0.9
33.0	9 ± 1.2
100.0	7 ± 1.7
333.0	7 ± 0.9
1000.0	
Trial Summary	Negative
Positive Control ⁴	535 ± 39.3
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 0.7	11 ± 2.4	22 ± 2.0	7 ± 2.2	22 ± 1.2
3.3			15 ± 0.7	6 ± 1.5	18 ± 2.3
10.0	9 ± 1.2	4 ± 0.3	14 ± 1.9	7 ± 0.6	18 ± 3.4
33.0	8 ± 1.7	8 ± 1.2	13 ± 1.8	9 ± 1.2	19 ± 3.0
100.0	6 ± 1.3	6 ± 1.3	15 ± 1.5	9 ± 0.7	19 ± 0.9
333.0	9 ± 0.9	5 ± 0.9	15 ± 4.2	6 ± 1.8	6 ± 2.3
1000.0	10 ± 1.5	6 ± 1.5			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			89 ± 2.0	268 ± 30.4	399 ± 43.7
Positive Control ⁵	398 ± 172.5	213 ± 50.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.5
3.3	13 ± 1.2
10.0	14 ± 0.7
33.0	9 ± 0.9
100.0	11 ± 2.3
333.0	13 ± 1.5
1000.0	
Trial Summary	Negative
Positive Control ⁴	229 ± 6.2
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	36 ± 1.5	14 ± 2.4	45 ± 0.9	23 ± 1.5	44 ± 3.2
3.3			44 ± 4.3	17 ± 3.3	43 ± 1.2
10.0	33 ± 3.5	12 ± 1.3	37 ± 3.4	20 ± 1.8	38 ± 3.2
33.0	29 ± 0.7	13 ± 2.0	45 ± 0.9	18 ± 3.8	40 ± 3.5
100.0	35 ± 0.3	7 ± 1.5	40 ± 1.2	13 ± 2.0	41 ± 5.7
333.0	36 ± 1.8	11 ± 2.1	34 ± 2.9	12 ± 2.0	30 ± 0.5
1000.0	22 ± 1.7	8 ± 1.2			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1996 ± 10.2	1957 ± 237.5	1347 ± 127.2
Positive Control ⁶	266 ± 69.0	216 ± 8.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	35 ± 4.0
3.3	29 ± 2.4
10.0	34 ± 4.7
33.0	28 ± 7.0
100.0	22 ± 3.0
333.0	22 ± 4.2
1000.0	
Trial Summary	Negative
Positive Control ²	951 ± 57.2
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 2-Aminoanthracene
- 3: 3.3 ug/Plate Sodium Azide
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 33.0 ug/Plate 9-Aminoacridine
- 6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **