

Experiment Number: 326789

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

G06: Ames Summary Data

Test Compound: **2-Ethylhexyl acrylate**

CAS Number: 103-11-7

Date Report Requested: 09/12/2018

Time Report Requested: 15:43:56

NTP Study Number:

326789

Study Result:

Negative

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Test Compound: 2-Ethylhexyl acrylate

CAS Number: 103-11-7

Date Report Requested: 09/12/2018

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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	89 ± 1.0	89 ± 3.5	80 ± 4.0	88 ± 11.2	84 ± 3.4
0.3	79 ± 2.2	84 ± 3.5			
1.0	85 ± 2.9	92 ± 5.9			
3.3	81 ± 4.4	85 ± 3.8	71 ± 4.9	111 ± 17.5	68 ± 5.6
10.0	80 ± 4.9	86 ± 2.3	74 ± 4.0	129 ± 3.2	84 ± 1.8
20.0	33 ± 6.6 ^s	70 ± 6.4 ^s			
33.0			61 ± 1.0	107 ± 3.8	81 ± 5.3
100.0			68 ± 2.6	105 ± 3.0	74 ± 3.2
200.0			64 ± 0.9 ^s	121 ± 6.2	54 ± 2.8 ^s
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²					803 ± 33.9
Positive Control ³			978 ± 23.4		
Positive Control ⁴				351 ± 24.0	
Positive Control ⁵	808 ± 27.7	911 ± 64.4			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	102 ± 6.1
0.3	
1.0	
3.3	90 ± 5.2
10.0	110 ± 1.5
20.0	
33.0	108 ± 9.4
100.0	96 ± 9.1
200.0	96 ± 2.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	861 ± 50.9
Positive Control ⁵	

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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	27 ± 3.0	18 ± 2.6	13 ± 1.7	14 ± 0.6	8 ± 0.3
0.3	29 ± 2.8	24 ± 2.7			
1.0	33 ± 1.9	18 ± 1.9			
3.3	29 ± 1.5	11 ± 1.2	10 ± 2.5	16 ± 1.2	14 ± 1.5
10.0	35 ± 3.2	17 ± 3.2	14 ± 2.1	15 ± 2.3	11 ± 1.5
20.0	19 ± 3.2 ^s	6 ± 1.2 ^s			
33.0			16 ± 0.7	12 ± 1.3	10 ± 2.6
100.0			13 ± 1.2	12 ± 1.2	11 ± 1.9
200.0			12 ± 1.2 ^s	12 ± 0.7 ^s	12 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					89 ± 7.7
Positive Control ³			97 ± 3.0		
Positive Control ⁴				88 ± 7.8	
Positive Control ⁵	1002 ± 20.7	899 ± 7.2			

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.5
0.3	
1.0	
3.3	13 ± 0.6
10.0	11 ± 1.3
20.0	
33.0	9 ± 0.9
100.0	10 ± 0.9 ^s
200.0	13 ± 2.2 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	125 ± 0.7
Positive Control ⁵	

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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	110 ± 4.9	101 ± 19.1	132 ± 6.0	158 ± 5.5	133 ± 7.8
0.3	103 ± 8.3	73 ± 4.0			
1.0	110 ± 4.3	99 ± 1.5			
3.3	90 ± 6.1	20 ± 1.5	148 ± 9.0	165 ± 3.6	135 ± 10.1
10.0	102 ± 1.5	38 ± 25.3 ^s	129 ± 5.7	178 ± 4.4	129 ± 4.1
20.0	82 ± 1.0 ^s	68 ± 13.3 ^s			
33.0			146 ± 7.2	105 ± 30.2	126 ± 6.7
100.0			150 ± 5.9	97 ± 18.6 ^s	123 ± 4.6
200.0			115 ± 6.3 ^s	111 ± 5.5 ^s	112 ± 5.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					788 ± 3.2
Positive Control ³			1027 ± 26.2		
Positive Control ⁴				406 ± 40.8	
Positive Control ⁶	848 ± 78.5	837 ± 49.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	160 ± 7.9
0.3	
1.0	
3.3	161 ± 3.4
10.0	169 ± 7.2
20.0	
33.0	149 ± 4.8
100.0	153 ± 6.6 ^s
200.0	116 ± 1.2 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	711 ± 7.3
Positive Control ⁶	

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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	19 ± 0.3	42 ± 2.5	35 ± 3.0	47 ± 2.3	33 ± 2.7
0.3	17 ± 2.1	35 ± 0.7			
1.0	18 ± 2.3	35 ± 0.9			
3.3	20 ± 0.3	42 ± 1.9	29 ± 1.9	51 ± 6.5	35 ± 2.1
10.0	14 ± 2.0	45 ± 1.5	29 ± 2.7	55 ± 4.5	25 ± 2.7
20.0	14 ± 2.3 ^s	28 ± 3.5 ^s			
33.0			33 ± 2.9	52 ± 4.7	33 ± 1.5
100.0			38 ± 0.7	50 ± 1.8	31 ± 2.9
200.0			33 ± 2.0	52 ± 2.4 ^s	32 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					757 ± 36.4
Positive Control ³			1176 ± 45.0		
Positive Control ⁴				242 ± 27.7	
Positive Control ⁷	1710 ± 31.4	1565 ± 26.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	48 ± 1.9
0.3	
1.0	
3.3	60 ± 3.5
10.0	46 ± 2.2
20.0	
33.0	56 ± 5.8
100.0	46 ± 5.5
200.0	40 ± 2.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	782 ± 7.2
Positive Control ⁷	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****