

Experiment Number: 092711

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

G06: Ames Summary Data

Test Compound: **2-Ethylhexylamine**

CAS Number: **104-75-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **07:16:02**

NTP Study Number:

092711

Study Result:

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: 2-Ethylhexylamine

CAS Number: 104-75-6

Date Report Requested: 09/11/2018

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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	119 ± 4.2	140 ± 10.2	145 ± 5.3	147 ± 9.3	151 ± 4.2
10.0	129 ± 2.9				
33.0	131 ± 8.2	135 ± 3.6	133 ± 5.8	160 ± 10.4	136 ± 13.0
100.0	125 ± 0.3	147 ± 10.1	132 ± 9.2	140 ± 6.9	142 ± 3.7
333.0	133 ± 3.9	132 ± 5.3	110 ± 8.6	164 ± 6.5	127 ± 13.4
1000.0	107 ± 10.7	134 ± 17.7	112 ± 7.8	155 ± 10.0	121 ± 8.0
1666.0		116 ± 18.2	110 ± 15.2		119 ± 21.8
3333.0				124 ± 11.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					873 ± 3.8
Positive Control ³			642 ± 47.7	336 ± 6.1	
Positive Control ⁴	432 ± 14.9	654 ± 3.9			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	116 ± 6.7
10.0	
33.0	136 ± 8.8
100.0	134 ± 0.3
333.0	133 ± 2.2
1000.0	118 ± 11.5
1666.0	
3333.0	94 ± 12.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	850 ± 58.1
Positive Control ⁴	

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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	22 ± 1.5	37 ± 1.5	10 ± 0.9	20 ± 2.3	10 ± 0.3
10.0	27 ± 5.0				
33.0	24 ± 2.3	39 ± 1.3	11 ± 0.6	15 ± 2.6	11 ± 3.0
100.0	28 ± 2.6	43 ± 0.6	9 ± 1.0	16 ± 1.7	10 ± 1.7
333.0	26 ± 13.0	43 ± 4.1	12 ± 1.5	13 ± 3.5	8 ± 2.0
1000.0	33 ± 2.0	41 ± 2.3	9 ± 0.0	11 ± 3.6	9 ± 1.5
1666.0		30 ± 7.0	10 ± 0.7		6 ± 1.2
3333.0				9 ± 1.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					226 ± 2.3
Positive Control ⁴	363 ± 20.5	586 ± 42.3			
Positive Control ⁵			124 ± 7.7	147 ± 6.1	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 0.9
10.0	
33.0	13 ± 1.0
100.0	11 ± 1.8
333.0	16 ± 2.3
1000.0	11 ± 1.3
1666.0	
3333.0	6 ± 0.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	617 ± 47.8

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Mutagenicity**G06: Ames Summary Data**

Test Compound: 2-Ethylhexylamine

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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	138 ± 6.9	174 ± 6.2	197 ± 4.3	195 ± 2.5	188 ± 5.1
10.0	129 ± 4.3				
33.0	131 ± 8.7	154 ± 8.6	127 ± 64.5	197 ± 3.0	183 ± 11.4
100.0	136 ± 12.0	145 ± 9.4	181 ± 21.9	187 ± 7.1	188 ± 5.8
333.0	131 ± 2.4	153 ± 6.1	186 ± 7.6	204 ± 1.5	169 ± 6.1
1000.0	125 ± 5.9	98 ± 10.1	180 ± 9.8	201 ± 0.9	167 ± 4.6
1666.0		87 ± 11.1	187 ± 4.9		152 ± 0.3
3333.0				197 ± 2.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					507 ± 8.8
Positive Control ³			449 ± 6.4		
Positive Control ⁵				555 ± 31.7	
Positive Control ⁶	526 ± 24.1	561 ± 27.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	168 ± 4.7
10.0	
33.0	180 ± 10.5
100.0	172 ± 13.1
333.0	180 ± 4.2
1000.0	191 ± 2.6
1666.0	
3333.0	155 ± 23.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	621 ± 10.0
Positive Control ⁵	
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	18 ± 2.7	28 ± 2.1	37 ± 2.3	48 ± 3.7	41 ± 1.2
10.0	28 ± 2.5				
33.0	24 ± 1.3	25 ± 7.2	28 ± 2.0	48 ± 5.0	42 ± 6.3
100.0	24 ± 0.0	29 ± 5.0	36 ± 5.6	41 ± 4.6	35 ± 4.0
333.0	18 ± 1.5	33 ± 2.5	24 ± 2.4	39 ± 7.7	35 ± 3.8
1000.0	16 ± 0.9	23 ± 2.3	31 ± 5.5	40 ± 7.1	34 ± 1.3
1666.0		23 ± 5.2	34 ± 5.0		43 ± 2.9
3333.0				34 ± 9.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					437 ± 28.2
Positive Control ³			277 ± 4.2	177 ± 10.7	
Positive Control ⁷	669 ± 19.1	1185 ± 36.3			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	46 ± 3.7
10.0	
33.0	35 ± 5.2
100.0	33 ± 2.3
333.0	39 ± 5.5
1000.0	37 ± 5.8
1666.0	
3333.0	35 ± 5.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	620 ± 10.3
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: 0.5 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: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****