

Experiment Number: A51104

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Ethylhexyl-p-dimethyl-aminobenzoate

CAS Number: 21245-02-3

Date Report Requested: 09/17/2018

Time Report Requested: 04:03:02

NTP Study Number:

A51104

Study Result:

Negative

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Date Report Requested: 09/17/2018

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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	155 ± 13.7	138 ± 6.4	186 ± 7.7	137 ± 4.6	158 ± 8.6
100.0	153 ± 4.7	152 ± 11.3	155 ± 7.0	131 ± 10.7	172 ± 1.2
333.0	147 ± 9.1	151 ± 3.1	149 ± 5.2	103 ± 10.2	122 ± 8.7
1000.0	144 ± 7.4 ^P	140 ± 11.1 ^P	114 ± 16.8 ^P	93 ± 5.0 ^P	148 ± 13.0 ^P
3333.0	155 ± 5.0 ^P	141 ± 4.7 ^P	145 ± 11.6 ^P	115 ± 13.3 ^P	152 ± 19.3 ^P
10000.0	164 ± 14.2 ^P	139 ± 9.2 ^P	172 ± 6.1 ^P	121 ± 4.9 ^P	150 ± 4.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					716 ± 61.1
Positive Control ³	627 ± 4.8	371 ± 22.6			
Positive Control ⁴			1693 ± 91.5		
Positive Control ⁵					
Positive Control ⁶				608 ± 1.8	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	158 ± 10.8
100.0	146 ± 6.9
333.0	131 ± 3.7
1000.0	101 ± 7.5 ^p
3333.0	97 ± 16.0 ^p
10000.0	116 ± 10.8 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	787 ± 17.2
Positive Control ⁶	

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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	16 ± 1.3	14 ± 1.0	19 ± 3.1	19 ± 0.6	18 ± 1.7
100.0	18 ± 1.2	13 ± 2.6	15 ± 4.7	19 ± 0.3	13 ± 1.5
333.0	15 ± 0.3	17 ± 0.9	14 ± 1.9	18 ± 0.3	7 ± 0.7
1000.0	15 ± 1.2 ^p	18 ± 3.6 ^p	12 ± 1.5 ^p	19 ± 1.0 ^p	12 ± 2.0 ^p
3333.0	14 ± 0.3 ^p	15 ± 2.9 ^p	12 ± 1.9 ^p	19 ± 0.6 ^p	13 ± 1.2 ^p
10000.0	16 ± 0.3 ^p	23 ± 6.2 ^p	11 ± 2.3 ^p	17 ± 0.6 ^p	16 ± 2.1 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					106 ± 5.9
Positive Control ³	191 ± 16.0	215 ± 21.7			
Positive Control ⁵					
Positive Control ⁶			116 ± 10.6	102 ± 19.7	

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Date Report Requested: 09/17/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 1.5
100.0	16 ± 1.0
333.0	15 ± 0.0
1000.0	16 ± 0.7 ^P
3333.0	16 ± 1.0 ^P
10000.0	17 ± 1.2 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	146 ± 6.7
Positive Control ⁶	

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Date Report Requested: 09/17/2018

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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	125 ± 1.7	140 ± 5.5	165 ± 2.1	183 ± 8.5	151 ± 7.4
100.0	129 ± 6.1	157 ± 4.1	161 ± 7.8	197 ± 7.2	147 ± 8.2
333.0	113 ± 9.5	146 ± 2.3	128 ± 8.2	145 ± 12.5	128 ± 9.4
1000.0	116 ± 4.6 ^P	143 ± 8.0 ^P	128 ± 3.7 ^P	135 ± 4.9 ^P	126 ± 1.9 ^P
3333.0	118 ± 2.5 ^P	157 ± 9.0 ^P	125 ± 11.7 ^P	155 ± 21.0 ^P	124 ± 11.5 ^P
10000.0	132 ± 1.8 ^P	167 ± 5.0 ^P	139 ± 16.2 ^P	174 ± 7.0 ^P	141 ± 7.6 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1724 ± 79.5
Positive Control ⁶			858 ± 26.7	612 ± 2.0	
Positive Control ⁷	540 ± 59.2	524 ± 88.4			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	122 ± 6.4
100.0	134 ± 7.9
333.0	138 ± 4.9
1000.0	110 ± 6.9 ^P
3333.0	116 ± 1.5 ^P
10000.0	121 ± 4.6 ^P
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	965 ± 37.7
Positive Control ⁷	

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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	16 ± 0.3	15 ± 0.7	22 ± 1.9	23 ± 3.7	27 ± 0.6
100.0	19 ± 1.5	16 ± 1.5	25 ± 0.7	24 ± 4.0	27 ± 2.3
333.0	16 ± 0.6	19 ± 4.2	17 ± 4.2	15 ± 1.5	23 ± 3.2
1000.0	17 ± 2.3 ^P	12 ± 2.5 ^P	19 ± 4.7 ^P	19 ± 2.0 ^P	15 ± 1.2 ^P
3333.0	16 ± 0.6 ^P	15 ± 2.9 ^P	23 ± 4.8 ^P	19 ± 0.9 ^P	22 ± 2.8 ^P
10000.0	16 ± 1.0 ^P	16 ± 3.5 ^P	18 ± 0.6 ^P	22 ± 0.3 ^P	22 ± 2.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1324 ± 55.1		318 ± 51.6
Positive Control ⁸	88 ± 5.2	87 ± 7.0			
Positive Control ⁵				419 ± 32.8	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 0.7
100.0	20 ± 1.2
333.0	20 ± 1.7
1000.0	17 ± 1.2 ^p
3333.0	21 ± 5.3 ^p
10000.0	19 ± 0.6 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁸	
Positive Control ⁵	947 ± 52.9

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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: 100% Ethanol

2: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****