

Experiment Number: 128356

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

G06: Ames Summary Data

Test Compound: **3-Ethylaminophenol**

CAS Number: 621-31-8

Date Report Requested: 09/12/2018

Time Report Requested: 02:50:24

NTP Study Number:

128356

Study Result:

Positive

Experiment Number: 128356
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Mutagenicity

G06: Ames Summary Data
Test Compound: 3-Ethylaminophenol
CAS Number: 621-31-8

Date Report Requested: 09/12/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	133 ± 5.9	140 ± 1.2	162 ± 16.0
33.0	127 ± 6.7		
100.0	127 ± 8.9	152 ± 1.5	160 ± 9.3
333.0	114 ± 6.4	158 ± 14.3	155 ± 4.5
1000.0	129 ± 3.6	176 ± 13.3	172 ± 16.9
1666.0	126 ± 13.4		
3333.0		131 ± 13.9	108 ± 2.8
10000.0		46 ± 15.0 ^s	35 ± 3.3 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²		777 ± 12.8	1841 ± 76.4
Positive Control ³	379 ± 15.4		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	42 ± 3.9	13 ± 0.3	10 ± 0.6
33.0	37 ± 8.7		
100.0	41 ± 2.0	11 ± 0.6	7 ± 0.9
333.0	46 ± 3.6	9 ± 3.2	9 ± 1.7
1000.0	47 ± 2.7	9 ± 1.9	8 ± 1.0
1666.0	40 ± 0.8		
3333.0		8 ± 1.2	7 ± 1.2
10000.0		2 ± 1.5 ^s	3 ± 0.7 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³	383 ± 22.4		
Positive Control ⁴		233 ± 22.2	469 ± 18.1

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	172 ± 13.1	158 ± 14.0	160 ± 4.8
33.0	156 ± 5.4	165 ± 3.3	165 ± 4.8
100.0	144 ± 3.4	150 ± 7.3	181 ± 14.2
333.0	139 ± 5.9	161 ± 4.2	189 ± 13.7
1000.0	142 ± 15.5	120 ± 11.5	181 ± 15.9
1666.0	142 ± 4.2		178 ± 9.6
3333.0		77 ± 8.4	
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		1751 ± 209.0	1241 ± 77.4
Positive Control ⁵	810 ± 8.3		

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Test Compound: 3-Ethylaminophenol

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 3.5	29 ± 3.5	29 ± 2.5	31 ± 3.8	30 ± 3.9
33.0	19 ± 3.2		42 ± 2.2		50 ± 3.8
100.0	21 ± 2.3	63 ± 4.6	62 ± 3.1	118 ± 10.9	108 ± 2.7
333.0	18 ± 3.7	142 ± 18.2	120 ± 3.5	239 ± 18.6	217 ± 15.0
1000.0	21 ± 2.6	375 ± 21.6	225 ± 14.2	296 ± 10.2	292 ± 26.1
1666.0	19 ± 1.5				254 ± 25.2
3333.0		569 ± 24.4	194 ± 28.5	198 ± 11.2	
10000.0		40 ± 12.3 ^s		36 ± 11.8 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		369 ± 9.0	1413 ± 114.0	770 ± 18.3	1743 ± 181.9
Positive Control ⁶	1007 ± 41.6				

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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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

**** END OF REPORT ****