

Experiment Number: **G08029**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **2-Ethylaniline**
CAS Number: **578-54-1**

Date Report Requested: **09/15/2018**
Time Report Requested: **22:32:31**

NTP Study Number: G08029
Study Result: Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	93 ± 6.7	97 ± 7.8	117 ± 10.3	96 ± 6.0
50.0		83 ± 3.3		79 ± 5.8
100.0	103 ± 2.9		121 ± 8.4	
125.0		87 ± 6.0		93 ± 5.2
250.0	103 ± 3.8	86 ± 5.5	103 ± 2.9	99 ± 5.3
500.0	94 ± 6.7	88 ± 3.5	108 ± 3.8	97 ± 11.8
1500.0	91 ± 2.9	70 ± 2.6	97 ± 3.8	79 ± 0.6
3000.0	Toxic	Toxic	Toxic	Toxic
6000.0	Toxic		Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	807 ± 41.1	823 ± 44.8		
Positive Control ³			2262 ± 37.5	3146 ± 76.8

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	18 ± 1.9	20 ± 2.6	29 ± 0.3	23 ± 2.8
50.0		17 ± 1.7		29 ± 1.9
100.0	16 ± 2.7		25 ± 0.9	
125.0		16 ± 4.3		27 ± 2.1
250.0	17 ± 1.5	20 ± 2.7	22 ± 3.5	25 ± 0.0
500.0	18 ± 1.5	17 ± 4.5	25 ± 2.3	24 ± 0.6
1500.0	15 ± 0.9	17 ± 2.2	16 ± 1.5	32 ± 3.5
3000.0	Toxic	Toxic	5 ± 4.0 ^s	3 ± 1.5 ^s
6000.0	Toxic		Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1163 ± 50.7	1271 ± 78.1
Positive Control ⁵	324 ± 8.5	429 ± 46.6		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	141 ± 6.2	146 ± 4.7	195 ± 5.5	180 ± 4.7
50.0		129 ± 4.5		156 ± 12.5
100.0	142 ± 11.4		199 ± 6.4	
125.0		137 ± 7.3		158 ± 4.2
250.0	159 ± 6.1	147 ± 3.4	171 ± 3.9	166 ± 2.3
500.0	145 ± 8.7	134 ± 10.0	180 ± 15.1	168 ± 10.3
1500.0	150 ± 9.5	124 ± 4.4	163 ± 8.0	173 ± 1.5
3000.0	Toxic	Toxic	164 ± 3.2	131 ± 3.8
6000.0	Toxic		Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1321 ± 76.6	1359 ± 11.3
Positive Control ⁷	1223 ± 20.7	1063 ± 25.6		

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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 Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 100.0 ug/Plate Methyl Methane Sulfonate
- s: Slight Toxicity

**** END OF REPORT ****