

Experiment Number: **G09036**

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

G06: Ames Summary Data

Test Compound: **4-Ethylaniline**

CAS Number: **589-16-2**

Date Report Requested: **09/15/2018**

Time Report Requested: **22:54:57**

NTP Study Number:

G09036

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	94 ± 5.8	95 ± 3.5	104 ± 7.5	114 ± 3.2
50.0	114 ± 7.2	101 ± 3.5		119 ± 8.1
125.0	98 ± 3.8	106 ± 7.5	116 ± 6.7	116 ± 6.5
250.0	111 ± 1.5	103 ± 4.3	131 ± 11.2	123 ± 4.0
500.0	97 ± 14.8	106 ± 1.2	135 ± 6.2	113 ± 10.7
1000.0	99 ± 8.9	92 ± 3.8		
1500.0	Toxic	Toxic	121 ± 5.8	118 ± 1.3
3000.0			65 ± 25.5	Toxic
6000.0			Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	626 ± 7.3	623 ± 8.1		
Positive Control ³			2593 ± 156.5	2203 ± 3.3

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Test Compound: 4-Ethylaniline

CAS Number: 589-16-2

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	14 ± 2.6	14 ± 3.2	24 ± 2.9	20 ± 3.2
50.0		15 ± 3.0		20 ± 4.5
125.0	16 ± 1.5	14 ± 2.3	27 ± 1.8	30 ± 5.6
250.0	23 ± 1.5	19 ± 3.8	31 ± 5.2	29 ± 2.6
500.0	19 ± 5.0	20 ± 0.0	24 ± 0.3	30 ± 2.6
1500.0	9 ± 2.4	8 ± 2.7	26 ± 1.7	21 ± 1.5
3000.0	Toxic	Toxic	Toxic	Toxic
6000.0	Toxic		Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			665 ± 48.9	987 ± 31.8
Positive Control ⁵	507 ± 23.3	711 ± 39.0		

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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	179 ± 2.6	119 ± 4.9	159 ± 21.5	142 ± 11.2
50.0		125 ± 7.9		146 ± 9.7
125.0	188 ± 4.3	129 ± 3.2	172 ± 2.2	152 ± 4.7
250.0	182 ± 3.8	117 ± 8.8	149 ± 7.8	141 ± 4.0
500.0	192 ± 8.7	121 ± 15.0	150 ± 10.7	150 ± 8.7
1500.0	136 ± 5.2	97 ± 4.7	141 ± 8.7	147 ± 3.3
3000.0	Toxic	Toxic	Toxic	61 ± 7.5
6000.0	Toxic		Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1064 ± 31.7	1492 ± 6.4
Positive Control ⁷	1018 ± 15.4	1251 ± 46.5		

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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

**** END OF REPORT ****