

Experiment Number: **G09034**

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

G06: Ames Summary Data

Test Compound: **2-methyl-6-ethylaniline (2M6EA)**

CAS Number: **24549-06-2**

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

Time Report Requested: **22:47:29**

NTP Study Number:

G09034

Study Result:

Negative

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Test Compound: 2-methyl-6-ethylaniline (2M6EA)

CAS Number: 24549-06-2

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	77 ± 5.9	70 ± 8.0	92 ± 3.1	97 ± 10.7
25.0		88 ± 6.4		
50.0	87 ± 9.3	108 ± 10.7	89 ± 8.7	89 ± 1.5
125.0	99 ± 6.4	112 ± 1.5	93 ± 6.2	98 ± 3.7
250.0	95 ± 2.3	104 ± 5.7	112 ± 5.2	104 ± 4.4
500.0	88 ± 7.5	119 ± 2.6	111 ± 9.8	119 ± 0.9
1000.0				
1500.0	Toxic	Toxic	84 ± 8.1	Toxic
3000.0	Toxic		Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	706 ± 34.5	717 ± 23.5		
Positive Control ³			2595 ± 110.0	2648 ± 216.5

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	12 ± 1.3	14 ± 0.9	24 ± 2.9	23 ± 2.5
25.0		21 ± 2.2		
50.0	17 ± 2.0	18 ± 3.3	20 ± 0.3	30 ± 3.7
125.0	14 ± 2.3	20 ± 1.9	17 ± 7.0	26 ± 4.4
250.0	14 ± 1.9	12 ± 3.0	19 ± 2.7	24 ± 2.6
500.0	12 ± 1.0	12 ± 1.9	17 ± 2.8	23 ± 3.8
1500.0	Toxic	Toxic	20 ± 2.7	23 ± 0.0
3000.0	Toxic		Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			947 ± 47.0	1108 ± 24.5
Positive Control ⁵	337 ± 19.3	458 ± 13.3		

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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	136 ± 14.6	120 ± 7.4	146 ± 8.1	161 ± 7.5
25.0		117 ± 4.7		
50.0	127 ± 4.7	111 ± 3.8	157 ± 2.1	155 ± 5.5
125.0	112 ± 4.3	120 ± 11.4	150 ± 4.9	152 ± 9.2
250.0	129 ± 2.6	113 ± 1.7	153 ± 11.6	149 ± 5.2
500.0	118 ± 6.2	126 ± 9.5	137 ± 7.0	153 ± 4.3
1000.0				
1500.0	19 ± 8.5 ^s	33 ± 11.6	123 ± 6.5	141 ± 4.6
3000.0	Toxic		Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶				
Positive Control ⁷			1135 ± 56.6	1271 ± 14.2
Positive Control ⁸	1005 ± 80.1	918 ± 50.9		

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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: 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: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

8: 100.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

**** END OF REPORT ****