

Experiment Number: 877761

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

**G06: Ames Summary Data**

Test Compound: **N-Methyl aniline**

CAS Number: **100-61-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:04:19**

**NTP Study Number:**

877761

**Study Result:**

Negative

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## G06: Ames Summary Data

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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 <sup>1</sup>	82 ± 4.4	112 ± 3.0	111 ± 10.7	113 ± 9.5	116 ± 9.9
10.0		102 ± 11.6			
33.0	96 ± 9.0	103 ± 5.4	119 ± 3.0	111 ± 2.1	
100.0	81 ± 7.6	98 ± 0.7	114 ± 13.3	112 ± 7.0	103 ± 1.0
333.0	93 ± 4.2	107 ± 8.5	106 ± 2.0	124 ± 14.7	109 ± 3.7
1000.0	93 ± 3.6	108 ± 5.9	103 ± 11.8	127 ± 2.5	113 ± 14.4
3333.0	Toxic		98 ± 15.3	95 ± 15.2 <sup>s</sup>	104 ± 11.7
10000.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			796 ± 19.9	768 ± 19.1	1691 ± 68.4
Positive Control <sup>3</sup>	302 ± 23.6	259 ± 7.8			

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	147 ± 24.6
10.0	
33.0	115 ± 17.5
100.0	124 ± 23.0
333.0	121 ± 21.0
1000.0	122 ± 12.5
3333.0	129 ± 41.0
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	481 ± 5.9
Positive Control <sup>3</sup>	

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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 <sup>1</sup>	24 ± 2.3	12 ± 1.5	8 ± 0.7	12 ± 2.7	9 ± 0.7
10.0		17 ± 4.4			
33.0	18 ± 3.8	16 ± 1.3	8 ± 2.3	10 ± 2.0	
100.0	19 ± 3.8	15 ± 0.3	7 ± 3.2	8 ± 0.9	9 ± 1.5
333.0	20 ± 2.3	17 ± 3.2	7 ± 3.4	9 ± 0.6	12 ± 1.0
1000.0	22 ± 2.3	17 ± 0.9	7 ± 2.0	10 ± 2.3	7 ± 0.7
3333.0	Toxic		4 ± 1.2	7 ± 2.7	4 ± 2.0 <sup>s</sup>
10000.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	279 ± 12.4	247 ± 20.2			
Positive Control <sup>4</sup>			183 ± 13.4	281 ± 11.1	515 ± 7.0

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	8 ± 0.6
10.0	
33.0	7 ± 0.7
100.0	9 ± 2.6
333.0	10 ± 2.4
1000.0	8 ± 2.0
3333.0	7 ± 0.3
10000.0	
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	775 ± 41.4

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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 <sup>1</sup>	134 ± 12.9	130 ± 3.3	169 ± 10.6	185 ± 6.6	141 ± 12.9
10.0	183 ± 4.4			201 ± 22.7	
33.0	172 ± 7.0	149 ± 3.2	165 ± 8.7	203 ± 14.1	
100.0	183 ± 9.5	143 ± 12.9	161 ± 11.7	192 ± 5.9	139 ± 0.9
333.0	163 ± 4.3	146 ± 9.5	157 ± 10.5	152 ± 6.2	154 ± 3.2
1000.0	107 ± 9.5	122 ± 12.1	155 ± 8.8	53 ± 28.1	176 ± 11.8
3333.0		26 ± 0.5	100 ± 50.8		112 ± 22.6
10000.0					14 ± 3.5
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			1236 ± 28.7	443 ± 1.2	1611 ± 39.3
Positive Control <sup>5</sup>	623 ± 38.8	954 ± 47.1			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	177 ± 1.7
10.0	
33.0	158 ± 5.3
100.0	176 ± 5.1
333.0	176 ± 11.8
1000.0	197 ± 11.2
3333.0	190 ± 4.0
10000.0	
Trial Summary	Negative
Positive Control <sup>4</sup>	1135 ± 20.6
Positive Control <sup>5</sup>	

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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 <sup>1</sup>	16 ± 2.0	14 ± 0.9	24 ± 1.8	29 ± 2.8	27 ± 2.3
10.0		12 ± 0.3			
33.0	13 ± 0.0	17 ± 1.9	30 ± 0.0	17 ± 3.2	
100.0	14 ± 3.5	12 ± 1.9	33 ± 0.5	29 ± 2.0	28 ± 2.4
333.0	13 ± 2.9	13 ± 0.3	33 ± 5.5	30 ± 4.3	38 ± 5.5
1000.0	21 ± 4.1	13 ± 2.3	29 ± 3.5	27 ± 2.7	32 ± 3.7
3333.0	Toxic		30 ± 6.0	20 ± 1.8	27 ± 1.0
10000.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			500 ± 44.9	493 ± 36.2	1339 ± 38.2
Positive Control <sup>6</sup>	746 ± 13.3	604 ± 24.4			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	28 ± 2.7
10.0	
33.0	18 ± 0.0
100.0	20 ± 2.5
333.0	23 ± 1.5
1000.0	29 ± 4.4
3333.0	25 ± 0.6
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	384 ± 54.4
Positive Control <sup>6</sup>	

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### **LEGEND**

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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 \*\***