

Experiment Number: 322942

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: N-Ethyl-2-methyl-4-nitroaniline

CAS Number: 88374-25-8

Date Report Requested: 09/12/2018

Time Report Requested: 10:15:03

**NTP Study Number:**

322942

**Study Result:**

Positive

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Test Compound: N-Ethyl-2-methyl-4-nitroaniline  
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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	123 ± 4.3	136 ± 9.5	141 ± 11.9	165 ± 7.5	148 ± 9.2
3.0					
10.0		136 ± 7.1		190 ± 6.1	
33.0	150 ± 1.5	168 ± 6.8	158 ± 10.1	217 ± 7.2	178 ± 9.6
100.0	254 ± 0.9	287 ± 17.8	238 ± 3.4	298 ± 4.3	286 ± 28.9
333.0	314 ± 7.3	348 ± 6.4	361 ± 33.7	512 ± 14.9	473 ± 33.2
666.0			543 ± 7.3		
1000.0	378 ± 25.7	542 ± 31.8	584 ± 31.2	405 ± 52.8	785 ± 3.8
1666.0					878 ± 8.7
3333.0	11 ± 7.4 <sup>p</sup>				
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>					473 ± 33.1
Positive Control <sup>3</sup>	344 ± 8.0	336 ± 9.2			
Positive Control <sup>4</sup>			556 ± 19.2	562 ± 16.0	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	158 ± 8.5	145 ± 11.2
3.0		144 ± 11.4
10.0	246 ± 16.7	186 ± 2.1
33.0	302 ± 14.1	
100.0	385 ± 9.8	308 ± 6.0
333.0	472 ± 31.9	480 ± 15.1
666.0		
1000.0	619 ± 78.8	567 ± 24.8
1666.0		
3333.0		
Trial Summary	Positive	Positive
Positive Control <sup>2</sup>	525 ± 18.7	728 ± 53.8
Positive Control <sup>3</sup>		
Positive Control <sup>4</sup>		

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	24 ± 1.8	24 ± 1.5	26 ± 1.2	32 ± 2.3	25 ± 3.6
3.0					
10.0		61 ± 4.1		48 ± 5.5	
16.0		62 ± 7.8			
33.0	64 ± 7.5	137 ± 7.2	43 ± 1.2	56 ± 6.9	53 ± 5.0
66.0		279 ± 13.9			
100.0	517 ± 12.5	668 ± 102.7	98 ± 3.8	97 ± 0.6	126 ± 5.5
333.0	666 ± 19.9		215 ± 3.8	205 ± 5.0	303 ± 29.7
666.0			355 ± 11.0		
1000.0	642 ± 37.5		476 ± 13.4	402 ± 65.7	724 ± 21.5
1666.0					925 ± 14.7
3333.0	51 ± 17.2 <sup>x</sup>				
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>			178 ± 15.6	148 ± 10.5	370 ± 7.5
Positive Control <sup>5</sup>	636 ± 5.0	605 ± 5.4			

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**G06: Ames Summary Data**

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Date Report Requested: 09/12/2018

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	28 ± 1.3	42 ± 2.0
3.0		45 ± 1.5
10.0	56 ± 5.6	44 ± 6.1
16.0		
33.0	54 ± 1.5	
66.0		
100.0	99 ± 2.2	134 ± 12.7
333.0	326 ± 9.0	323 ± 25.8
666.0		
1000.0	739 ± 61.9	851 ± 73.4
1666.0		
3333.0		
Trial Summary	Positive	Positive
Positive Control <sup>2</sup>	377 ± 46.2	318 ± 18.6
Positive Control <sup>5</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: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

x: Slight Toxicity and Precipitate

**\*\* END OF REPORT \*\***