

Experiment Number: 015950

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1-Nitro-2-methylnaphthalene

CAS Number: 881-03-8

Date Report Requested: 09/14/2018

Time Report Requested: 07:04:04

**NTP Study Number:**

015950

**Study Result:**

Positive

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CAS Number: 881-03-8

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	83 ± 8.3	84 ± 3.8	90 ± 4.3	103 ± 5.5
3.3	93 ± 6.2	71 ± 6.4	86 ± 7.4	106 ± 5.5
10.0	106 ± 1.2	100 ± 1.5	87 ± 1.8	120 ± 9.1
33.0	99 ± 7.3	113 ± 3.2	194 ± 3.8	262 ± 11.9
100.0	101 ± 9.7	121 ± 7.5	404 ± 32.7	436 ± 46.0
200.0				
333.0	33 ± 8.1 <sup>s</sup>	110 ± 5.6 <sup>s</sup>	363 ± 3.3 <sup>s</sup>	512 ± 22.2 <sup>s</sup>
Trial Summary	Negative	Equivocal	Positive	Positive
Positive Control <sup>2</sup>	407 ± 13.4			
Positive Control <sup>3</sup>			328 ± 4.6	1094 ± 73.5
Positive Control <sup>4</sup>		287 ± 9.3		

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 0.7	23 ± 3.5	27 ± 2.9	22 ± 6.0	20 ± 5.4
3.3	11 ± 1.3	28 ± 1.2	30 ± 5.2	25 ± 4.6	
10.0	8 ± 5.5	31 ± 2.3	28 ± 3.7	24 ± 1.2	23 ± 2.2
33.0	11 ± 2.6 <sup>s</sup>	21 ± 1.2	28 ± 0.6	24 ± 1.8	30 ± 6.7
100.0	6 ± 0.6 <sup>s</sup>	34 ± 4.6	42 ± 0.6	24 ± 5.0	35 ± 6.9
200.0	7 ± 1.2 <sup>s</sup>				
333.0		34 ± 2.0 <sup>s</sup>	46 ± 2.3 <sup>s</sup>	53 ± 8.2	50 ± 2.2 <sup>s</sup>
500.0					29 ± 3.2 <sup>s</sup>
Trial Summary	Negative	Negative	Equivocal	Equivocal	Weakly Positive
Positive Control <sup>5</sup>				86 ± 7.7	115 ± 5.2
Positive Control <sup>3</sup>		129 ± 5.0	77 ± 4.1		
Positive Control <sup>6</sup>	139 ± 7.0				

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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: 0.5 ug/Plate Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 0.4 ug/Plate 2-Aminoanthracene
- 6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

\*\* END OF REPORT \*\*