

Experiment Number: 979469

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1-Naphthylamine

CAS Number: 134-32-7

Date Report Requested: 09/18/2018

Time Report Requested: 03:09:44

NTP Study Number:

979469

Study Result:

Positive

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Mutagenicity**G06: Ames Summary Data**

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Strain: TA100

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	91 ± 3.5	145 ± 15.5	119 ± 3.2	148 ± 7.8	140 ± 6.4
10.0	123 ± 5.7	193 ± 5.7	152 ± 3.3	185 ± 4.4	153 ± 12.7
33.0	96 ± 13.0	303 ± 19.8	270 ± 5.2	183 ± 2.9	165 ± 12.9
100.0	110 ± 11.0	331 ± 9.5	336 ± 11.0	227 ± 4.0	182 ± 4.7
166.0			363 ± 8.9		
333.0	95 ± 11.9	310 ± 16.1	349 ± 23.6	211 ± 9.2	108 ± 8.8
666.0	120 ± 5.7	254 ± 18.6		190 ± 8.8	184 ± 4.1
Trial Summary	Negative	Positive	Positive	Equivocal	Equivocal
Positive Control ²	563 ± 26.1				
Positive Control ³		516 ± 14.1	1374 ± 32.3	374 ± 16.5	
Positive Control ⁴					606 ± 19.7

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	128 ± 5.0	171 ± 5.9
10.0	153 ± 13.7	164 ± 4.5
33.0	262 ± 22.2	267 ± 18.1
100.0	570 ± 17.0	538 ± 63.7
166.0		
333.0	682 ± 30.7	748 ± 42.4
666.0	611 ± 86.2	624 ± 30.5
Trial Summary	Positive	Positive
Positive Control ²		
Positive Control ³	544 ± 33.9	393 ± 8.7
Positive Control ⁴		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.2	33 ± 5.0	21 ± 1.9	22 ± 1.8
10.0	21 ± 3.2	31 ± 4.7	30 ± 3.2	26 ± 2.8
33.0	12 ± 0.3	28 ± 4.9	40 ± 4.2	35 ± 1.5
100.0	14 ± 1.0	35 ± 4.7	70 ± 6.6	56 ± 3.5
166.0				64 ± 2.3
333.0	10 ± 1.2	38 ± 2.6	74 ± 3.5	66 ± 2.7
666.0	14 ± 2.2	25 ± 4.6	58 ± 3.0	
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ³		108 ± 8.7	376 ± 14.1	294 ± 3.2
Positive Control ⁵	698 ± 50.8			

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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: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****