

Experiment Number: 341805

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 4-Methyl-2-nitroaniline

CAS Number: 89-62-3

Date Report Requested: 09/12/2018

Time Report Requested: 23:04:27

NTP Study Number:

341805

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	89 ± 1.5	102 ± 0.9	102 ± 1.7	100 ± 3.0	92 ± 4.9
10.0			90 ± 0.3		
33.0	89 ± 4.3	115 ± 3.5	94 ± 5.6	120 ± 11.6	115 ± 5.8
100.0	94 ± 3.8	116 ± 8.3	111 ± 3.2	155 ± 5.8	181 ± 2.0
333.0	92 ± 3.8	164 ± 8.1	126 ± 7.0	178 ± 12.4	173 ± 9.3
500.0			140 ± 8.6		
1000.0	55 ± 5.3 ^s	165 ± 5.9		221 ± 12.9	188 ± 0.6
2000.0					226 ± 3.1
3333.0	5 ± 1.5 ^s	29 ± 3.8 ^s		153 ± 16.1 ^s	
Trial Summary	Negative	Weakly Positive	Equivocal	Positive	Positive
Positive Control ²	360 ± 21.7				
Positive Control ³				368 ± 23.5	418 ± 33.5
Positive Control ⁴		323 ± 14.7	357 ± 14.5		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	16 ± 1.7	26 ± 2.2	20 ± 2.3	35 ± 5.2
10.0			21 ± 1.7	
33.0	18 ± 1.8	33 ± 3.0	19 ± 2.3	32 ± 2.0
100.0	15 ± 0.6	38 ± 4.1	23 ± 3.2	37 ± 1.5
333.0	14 ± 2.1	47 ± 2.3	21 ± 2.7	40 ± 6.7
500.0			18 ± 3.2	
1000.0	11 ± 2.9	32 ± 3.8		42 ± 4.1
3333.0	3 ± 0.9 ^s	16 ± 5.0		21 ± 4.3
Trial Summary	Negative	Equivocal	Negative	Negative
Positive Control ⁵				102 ± 2.7
Positive Control ³		80 ± 2.9	115 ± 6.9	
Positive Control ⁶	170 ± 1.2			

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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: 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 ****