

Experiment Number: 835088

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

G06: Ames Summary Data

Test Compound: **7-Methylquinoline**

CAS Number: **612-60-2**

Date Report Requested: **09/15/2018**

Time Report Requested: **23:21:28**

NTP Study Number:

835088

Study Result:

Positive

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Test Compound: 7-Methylquinoline

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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	136 ± 6.7	175 ± 7.0	166 ± 5.2	147 ± 5.9	157 ± 7.7
3.0			160 ± 4.4		
10.0		205 ± 13.5	193 ± 7.8	171 ± 5.0	168 ± 14.5
16.0					226 ± 3.8
33.0	150 ± 5.8	262 ± 4.7	261 ± 10.8	246 ± 8.5	345 ± 9.2
66.0				366 ± 11.0	642 ± 12.2
100.0	141 ± 6.4	434 ± 17.3	446 ± 18.7	560 ± 30.0	1166 ± 48.3
166.0				841 ± 14.7	
333.0	129 ± 4.2	678 ± 22.2	640 ± 39.3		
666.0		606 ± 40.1			
1000.0	85 ± 6.6				
1666.0	42 ± 4.8				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				593 ± 21.6	600 ± 14.6
Positive Control ³	328 ± 1.2				
Positive Control ⁴		614 ± 15.8	527 ± 27.3		

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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	19 ± 2.6	39 ± 0.9	21 ± 2.4	30 ± 4.6
10.0		34 ± 3.2	24 ± 2.0	30 ± 4.1
33.0	15 ± 1.5	44 ± 4.7	30 ± 7.1	42 ± 2.9
66.0			50 ± 1.2	66 ± 1.5
100.0	16 ± 1.9	43 ± 2.7	62 ± 7.2	116 ± 10.4
166.0			159 ± 6.7	210 ± 9.2
333.0	14 ± 1.2	48 ± 1.7		
666.0		41 ± 6.2		
1000.0	10 ± 3.6			
1666.0	6 ± 1.0			
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ²		134 ± 8.5	364 ± 18.9	316 ± 5.9
Positive Control ⁵	401 ± 22.5			

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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 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

**** END OF REPORT ****