

Experiment Number: 493874

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Auramine

CAS Number: 2465-27-2

Date Report Requested: 09/11/2018

Time Report Requested: 23:30:53

**NTP Study Number:**

493874

**Study Result:**

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	109 ± 9.0	115 ± 3.5	119 ± 6.0
1.0	85 ± 8.4		
3.3	102 ± 1.2		
10.0	99 ± 6.6	111 ± 7.0	93 ± 5.5
33.0	95 ± 11.2	108 ± 10.5	100 ± 2.4
100.0	81 ± 3.8	109 ± 4.1	95 ± 4.5
333.0		105 ± 9.8	111 ± 10.7
1000.0		25 ± 1.9 <sup>s</sup>	64 ± 1.7 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>	409 ± 4.4		
Positive Control <sup>3</sup>			622 ± 4.0
Positive Control <sup>4</sup>		856 ± 31.4	

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Strain: TA1538

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	22 ± 3.1	16 ± 3.5	18 ± 1.0	20 ± 0.7
10.0	17 ± 2.7		21 ± 3.2	
33.0	29 ± 1.8	25 ± 2.6	28 ± 3.5	28 ± 2.3
100.0	34 ± 0.9	39 ± 0.6	38 ± 1.5	39 ± 3.0
200.0		52 ± 0.9		55 ± 3.1
333.0	66 ± 4.4	62 ± 8.7	57 ± 6.7	62 ± 4.0
667.0		59 ± 7.8		61 ± 3.7
1000.0	44 ± 4.8 <sup>s</sup>		63 ± 6.2 <sup>s</sup>	
Trial Summary	Positive	Positive	Positive	Positive
Positive Control <sup>3</sup>	310 ± 11.6	556 ± 18.7	323 ± 15.4	946 ± 43.5
Positive Control <sup>4</sup>				

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	14 ± 1.7	28 ± 3.9	27 ± 1.2	47 ± 5.2	26 ± 2.0
1.0	13 ± 4.2				
3.3	11 ± 2.3				
10.0	16 ± 1.2	25 ± 1.0	35 ± 5.2		
33.0	21 ± 1.9	24 ± 2.8	29 ± 1.2	46 ± 2.1	31 ± 2.4
100.0	16 ± 1.5	25 ± 1.7	45 ± 2.7	43 ± 5.9	39 ± 2.7
200.0				46 ± 3.9	46 ± 4.5
333.0		42 ± 4.0	60 ± 5.3	40 ± 3.8	62 ± 2.6
667.0				16 ± 5.0 <sup>s</sup>	71 ± 1.2
1000.0		40 ± 3.8 <sup>s</sup>	59 ± 1.5 <sup>s</sup>	3 ± 2.7 <sup>s</sup>	
Trial Summary	Negative	Negative	Weakly Positive	Negative	Positive
Positive Control <sup>3</sup>		250 ± 21.5	350 ± 13.0	1249 ± 35.3	433 ± 8.6
Positive Control <sup>5</sup>	280 ± 7.7				

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	27 ± 1.5	32 ± 1.0	41 ± 2.7	27 ± 2.6
1.0				
3.3				
10.0	33 ± 1.8	24 ± 1.5		
33.0	35 ± 3.5	32 ± 2.5	35 ± 1.5	40 ± 4.7
100.0	36 ± 3.5	42 ± 4.2	41 ± 5.3	47 ± 5.6
200.0			51 ± 4.2	49 ± 3.8
333.0	42 ± 3.7	50 ± 5.2	61 ± 1.7	58 ± 0.7
667.0			48 ± 2.1 <sup>s</sup>	71 ± 4.2
1000.0	66 ± 4.9 <sup>s</sup>	54 ± 3.3 <sup>s</sup>	19 ± 3.5 <sup>s</sup>	
Trial Summary	Weakly Positive	Equivocal	Negative	Positive
Positive Control <sup>3</sup>	223 ± 19.2	358 ± 6.1	1246 ± 32.7	824 ± 42.2
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: 0.5 ug/Plate Sodium Azide
  - 3: 1.0 ug/Plate 2-Aminoanthracene
  - 4: 2.0 ug/Plate 2-Aminoanthracene
  - 5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

\*\* END OF REPORT \*\*