

Experiment Number: 537889

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

**G06: Ames Summary Data**

Test Compound: **Chloramben**

CAS Number: **133-90-4**

Date Report Requested: **09/13/2018**

Time Report Requested: **00:37:33**

**NTP Study Number:**

537889

**Study Result:**

Positive

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Test Compound: Chloramben

CAS Number: 133-90-4

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	128 ± 9.6	176 ± 21.2	203 ± 10.4	161 ± 9.6	223 ± 15.6
100.0	127 ± 5.8	194 ± 9.0		228 ± 8.8	
333.0	114 ± 5.0	177 ± 6.7		174 ± 9.0	
1000.0	108 ± 2.6	207 ± 8.0	216 ± 12.4	194 ± 7.0	254 ± 10.9
1667.0			210 ± 15.4		256 ± 14.5
3333.0	130 ± 2.7	211 ± 9.5	234 ± 10.7	216 ± 10.8	258 ± 21.0
6667.0			304 ± 5.7		362 ± 12.5
10000.0	147 ± 15.9	302 ± 26.6	449 ± 58.6 <sup>p</sup>	341 ± 26.7	451 ± 10.9 <sup>p</sup>
Trial Summary	Negative	Equivocal	Positive	Positive	Positive
Positive Control <sup>2</sup>		1964 ± 602.1	1973 ± 153.8	2202 ± 132.3	1799 ± 82.6
Positive Control <sup>3</sup>	725 ± 6.6				

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	5 ± 1.9	12 ± 6.0	6 ± 0.3
100.0	3 ± 0.3	10 ± 1.2	2 ± 0.9
333.0	3 ± 0.7	16 ± 2.3	5 ± 0.6
1000.0	2 ± 1.2	18 ± 2.6	4 ± 0.3
3333.0	4 ± 0.7	12 ± 1.5	3 ± 1.0
10000.0	3 ± 1.5	11 ± 3.2	6 ± 0.6
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		179 ± 26.0	117 ± 4.2
Positive Control <sup>3</sup>	369 ± 25.7		

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	4 ± 0.9	12 ± 3.0	9 ± 1.5	6 ± 0.9	10 ± 3.1
100.0	4 ± 0.9	17 ± 1.2		7 ± 0.3	
333.0	6 ± 0.9	15 ± 1.5		6 ± 0.3	
1000.0	5 ± 0.3	22 ± 1.7	12 ± 2.5	10 ± 0.9	12 ± 2.6
1667.0			15 ± 2.7		15 ± 3.5
3333.0	5 ± 0.6	29 ± 2.4	18 ± 2.0	16 ± 0.3	17 ± 4.9
6667.0			21 ± 3.5		23 ± 5.0
10000.0	8 ± 0.3	36 ± 3.9	20 ± 4.0	23 ± 2.3	26 ± 6.2
Trial Summary	Negative	Positive	Equivocal	Positive	Equivocal
Positive Control <sup>2</sup>		298 ± 16.6	68 ± 11.0	248 ± 8.7	148 ± 28.7
Positive Control <sup>4</sup>	1019 ± 44.5				

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Test Compound: Chloramben

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**Strain: TA98**

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 2.3	21 ± 1.5	31 ± 4.0	22 ± 2.6	22 ± 4.4
100.0	15 ± 3.2	22 ± 2.3			22 ± 3.5
333.0	12 ± 1.2	36 ± 0.7			25 ± 2.6
1000.0	12 ± 0.3	55 ± 6.1	31 ± 3.5	21 ± 2.6	31 ± 0.9
1667.0			33 ± 4.3	27 ± 1.0	
3333.0	12 ± 0.9	67 ± 4.4	53 ± 4.4	59 ± 7.0	60 ± 8.2
6667.0			49 ± 1.5	52 ± 8.0	
10000.0	15 ± 0.9	83 ± 0.7	54 ± 7.3	66 ± 5.7	71 ± 2.0
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		782 ± 78.0	762 ± 111.3	2148 ± 51.7	526 ± 9.4
Positive Control <sup>5</sup>	404 ± 36.9				

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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	30 ± 1.5	23 ± 1.5
100.0		
333.0		
1000.0	19 ± 3.1	21 ± 0.6
1667.0	31 ± 3.0	23 ± 2.3
3333.0	43 ± 2.9	41 ± 5.4
6667.0	46 ± 6.7	59 ± 9.5
10000.0	51 ± 7.5	71 ± 15.9
Trial Summary	Equivocal	Positive
Positive Control <sup>2</sup>	654 ± 10.2	1742 ± 290.4
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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**\*\* END OF REPORT \*\***