

Experiment Number: 877429

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Carbamide peroxide

CAS Number: 124-43-6

Date Report Requested: 09/16/2018

Time Report Requested: 19:00:37

**NTP Study Number:**

877429

**Study Result:**

Positive

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Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**Test Compound: **Carbamide peroxide**

Time Report Requested: 19:00:37

CAS Number: 124-43-6

**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	131 ± 3.8	164 ± 0.9	177 ± 7.8	137 ± 8.4	134 ± 0.6
10.0	166 ± 6.1	172 ± 11.3	217 ± 17.6		
33.0	145 ± 8.7	211 ± 5.0	181 ± 4.5		
100.0	162 ± 9.0	267 ± 3.2	149 ± 8.5 <sup>s</sup>	138 ± 9.5	144 ± 7.0
150.0		248 ± 10.4	105 ± 19.8 <sup>s</sup>		
200.0		165 ± 11.1 <sup>s</sup>	100 ± 21.9 <sup>s</sup>		
333.0	66 ± 5.8 <sup>s</sup>			149 ± 3.5	141 ± 5.7
1000.0	Toxic			141 ± 2.0	152 ± 4.9
3333.0				147 ± 6.1	162 ± 6.3
10000.0				142 ± 3.2	165 ± 3.7
Trial Summary	Negative	Weakly Positive	Negative	Negative	Negative
Positive Control <sup>2</sup>	433 ± 12.1	383 ± 9.0	554 ± 2.1		
Positive Control <sup>3</sup>					393 ± 9.8
Positive Control <sup>4</sup>				796 ± 10.4	

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>
Vehicle Control <sup>1</sup>	11 ± 3.4
10.0	14 ± 1.5
33.0	15 ± 0.7
100.0	15 ± 2.6
150.0	11 ± 3.0 <sup>S</sup>
200.0	9 ± 0.6 <sup>S</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	263 ± 4.0

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Test Compound: Carbamide peroxide

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**Strain: TA1538**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>
Vehicle Control <sup>1</sup>	5 ± 0.3
10.0	3 ± 0.9
33.0	6 ± 0.9
100.0	6 ± 1.5
150.0	6 ± 1.5
200.0	3 ± 0.0 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>5</sup>	292 ± 9.9

Experiment Number: 877429

Test Type: Genetic Toxicology - Bacterial  
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## G06: Ames Summary Data

Test Compound: Carbamide peroxide

CAS Number: 124-43-6

Date Report Requested: 09/16/2018

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	15 ± 2.3	17 ± 2.2	13 ± 0.3	25 ± 3.8	23 ± 1.2
10.0	18 ± 0.9	20 ± 3.4	23 ± 0.9	30 ± 4.5	
33.0	17 ± 3.8	24 ± 0.0	20 ± 3.5	38 ± 3.5	
100.0	26 ± 1.2	35 ± 2.6	42 ± 4.4	50 ± 6.7	20 ± 1.5
150.0		52 ± 2.6	25 ± 3.0	27 ± 7.3	
200.0		37 ± 6.7	13 ± 1.2 <sup>s</sup>	4 ± 1.2 <sup>s</sup>	
333.0	6 ± 1.9 <sup>s</sup>				27 ± 3.3
1000.0	Toxic				27 ± 1.5
3333.0					19 ± 1.5
10000.0					25 ± 1.2
Trial Summary	Equivocal	Positive	Equivocal	Weakly Positive	Negative
Positive Control <sup>5</sup>	229 ± 11.0	268 ± 6.7	297 ± 9.3	246 ± 2.0	
Positive Control <sup>3</sup>					335 ± 22.7

Experiment Number: 877429

Test Type: Genetic Toxicology - Bacterial  
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**G06: Ames Summary Data**

Test Compound: Carbamide peroxide

CAS Number: 124-43-6

Date Report Requested: 09/16/2018

Time Report Requested: 19:00:37

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	19 ± 1.5
10.0	
33.0	
100.0	23 ± 1.5
150.0	
200.0	
333.0	25 ± 1.8
1000.0	27 ± 4.0
3333.0	25 ± 1.8
10000.0	28 ± 1.5
Trial Summary	Negative
Positive Control <sup>5</sup>	
Positive Control <sup>3</sup>	410 ± 16.0

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Test Compound: Carbamide peroxide

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Date Report Requested: 09/16/2018

Time Report Requested: 19:00:37

## Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	239 ± 11.1	283 ± 11.7	389 ± 5.6	391 ± 7.9
10.0	281 ± 12.4			
33.0	282 ± 7.7	357 ± 13.4		
100.0	408 ± 18.7	409 ± 3.5	379 ± 6.4	393 ± 9.5
150.0	424 ± 11.9			
200.0	433 ± 9.3	522 ± 9.4		
333.0		635 ± 7.5	429 ± 25.2	348 ± 34.2
1000.0		789 ± 15.7	430 ± 14.8	396 ± 9.5
3333.0			435 ± 4.7	389 ± 12.4
10000.0			441 ± 8.6	424 ± 7.7
Trial Summary	Weakly Positive	Positive	Negative	Negative
Positive Control <sup>6</sup>			1254 ± 215.7	2412 ± 36.5
Positive Control <sup>7</sup>	546 ± 2.3	1008 ± 168.7		

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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: Water

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

6: 5.0 ug/Plate Sterigmatocystin

7: 75.0 ug/Plate Solvent

s: Slight Toxicity

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