

Experiment Number: 823231

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Di(n-octyl)tin maleate

CAS Number: 16091-18-2

Date Report Requested: 09/15/2018

Time Report Requested: 18:30:36

**NTP Study Number:**

823231

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	117 ± 2.0	97 ± 2.9	112 ± 7.8	122 ± 9.3	120 ± 4.7
100.0	118 ± 0.7	107 ± 1.2	124 ± 7.2	121 ± 11.6	108 ± 6.2
333.0	105 ± 4.6 <sup>P</sup>	103 ± 6.4 <sup>P</sup>	121 ± 7.4 <sup>P</sup>	117 ± 2.3 <sup>P</sup>	110 ± 8.9 <sup>P</sup>
1000.0	120 ± 4.6 <sup>P</sup>	101 ± 3.8 <sup>P</sup>	117 ± 6.0 <sup>P</sup>	116 ± 12.1 <sup>P</sup>	99 ± 10.4 <sup>P</sup>
3333.0	108 ± 7.7 <sup>P</sup>	94 ± 3.5 <sup>P</sup>	114 ± 12.5 <sup>P</sup>	98 ± 8.8 <sup>P</sup>	106 ± 13.3 <sup>P</sup>
10000.0	108 ± 4.8 <sup>P</sup>	90 ± 2.2 <sup>P</sup>	119 ± 3.9 <sup>P</sup>	97 ± 0.7 <sup>P</sup>	110 ± 7.4 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	451 ± 13.0	650 ± 6.1			
Positive Control <sup>3</sup>			610 ± 9.9	352 ± 4.4	1860 ± 46.6

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	97 ± 3.4
100.0	98 ± 2.3
333.0	93 ± 2.1 <sup>P</sup>
1000.0	103 ± 3.1 <sup>P</sup>
3333.0	97 ± 6.7 <sup>P</sup>
10000.0	90 ± 2.7 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	540 ± 5.2

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	29 ± 1.3	20 ± 0.7	8 ± 2.3	22 ± 4.4	10 ± 2.0
100.0	22 ± 6.1	14 ± 1.2	6 ± 0.6	16 ± 3.2	8 ± 1.5
333.0	21 ± 4.4 <sup>p</sup>	14 ± 0.3 <sup>p</sup>	8 ± 0.9 <sup>p</sup>	13 ± 0.6 <sup>p</sup>	8 ± 1.2 <sup>p</sup>
1000.0	17 ± 1.7 <sup>p</sup>	16 ± 0.9 <sup>p</sup>	6 ± 1.5 <sup>p</sup>	14 ± 1.5 <sup>p</sup>	10 ± 1.2 <sup>p</sup>
3333.0	13 ± 4.1 <sup>p</sup>	10 ± 1.9 <sup>p</sup>	6 ± 1.2 <sup>p</sup>	9 ± 1.9 <sup>p</sup>	7 ± 0.6 <sup>p</sup>
10000.0	19 ± 1.8 <sup>p</sup>	9 ± 2.9 <sup>p</sup>	5 ± 0.3 <sup>p</sup>	7 ± 0.9 <sup>p</sup>	6 ± 0.6 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	537 ± 15.3	627 ± 7.3			
Positive Control <sup>4</sup>			205 ± 9.6	149 ± 11.0	562 ± 18.0

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Date Report Requested: 09/15/2018  
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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 1.7
100.0	9 ± 1.3
333.0	11 ± 1.2 <sup>p</sup>
1000.0	8 ± 2.3 <sup>p</sup>
3333.0	8 ± 1.5 <sup>p</sup>
10000.0	9 ± 1.7 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	447 ± 18.8

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Test Compound: Di(n-octyl)tin maleate

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	138 ± 1.2	142 ± 8.8	178 ± 7.6	145 ± 10.1	171 ± 11.6
100.0	135 ± 7.6	121 ± 7.0	184 ± 12.4	144 ± 5.0	177 ± 2.3
333.0	138 ± 5.6 <sup>P</sup>	127 ± 6.9 <sup>P</sup>	198 ± 2.3 <sup>P</sup>	129 ± 6.8 <sup>P</sup>	187 ± 8.9 <sup>P</sup>
1000.0	152 ± 5.8 <sup>P</sup>	114 ± 9.6 <sup>P</sup>	189 ± 5.2 <sup>P</sup>	125 ± 6.1 <sup>P</sup>	172 ± 10.7 <sup>P</sup>
3333.0	143 ± 6.6 <sup>P</sup>	130 ± 9.5 <sup>P</sup>	182 ± 14.4 <sup>P</sup>	163 ± 6.2 <sup>P</sup>	161 ± 6.2 <sup>P</sup>
10000.0	141 ± 3.2 <sup>P</sup>	109 ± 3.8 <sup>P</sup>	165 ± 5.5 <sup>P</sup>	133 ± 15.8 <sup>P</sup>	159 ± 3.2 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			1111 ± 10.9	432 ± 29.8	1359 ± 14.4
Positive Control <sup>5</sup>	1387 ± 77.1	1794 ± 32.6			

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	158 ± 7.5
100.0	157 ± 3.1
333.0	139 ± 13.2 <sup>P</sup>
1000.0	159 ± 5.5 <sup>P</sup>
3333.0	131 ± 6.4 <sup>P</sup>
10000.0	126 ± 9.1 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>4</sup>	795 ± 16.4
Positive Control <sup>5</sup>	

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Test Compound: Di(n-octyl)tin maleate

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	20 ± 3.3	18 ± 3.7	29 ± 2.0	25 ± 1.2	44 ± 2.8
100.0	18 ± 1.5	16 ± 1.5	25 ± 1.8	25 ± 3.7	30 ± 1.0
333.0	17 ± 1.9 <sup>P</sup>	14 ± 0.7 <sup>P</sup>	29 ± 4.1 <sup>P</sup>	21 ± 4.7 <sup>P</sup>	29 ± 1.5 <sup>P</sup>
1000.0	18 ± 1.9 <sup>P</sup>	11 ± 1.2 <sup>P</sup>	26 ± 2.4 <sup>P</sup>	23 ± 3.8 <sup>P</sup>	27 ± 3.8 <sup>P</sup>
3333.0	12 ± 3.1 <sup>P</sup>	9 ± 2.1 <sup>P</sup>	22 ± 2.2 <sup>P</sup>	25 ± 0.7 <sup>P</sup>	27 ± 2.5 <sup>P</sup>
10000.0	6 ± 0.9 <sup>P</sup>	6 ± 0.9 <sup>P</sup>	23 ± 1.5 <sup>P</sup>	16 ± 4.0 <sup>P</sup>	30 ± 1.5 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			318 ± 28.5	177 ± 8.4	1312 ± 29.1
Positive Control <sup>6</sup>	1101 ± 68.3	1333 ± 47.9			



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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>	31 ± 3.6
100.0	27 ± 1.8
333.0	25 ± 3.5 <sup>p</sup>
1000.0	23 ± 1.9 <sup>p</sup>
3333.0	23 ± 2.6 <sup>p</sup>
10000.0	17 ± 1.9 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	224 ± 14.4
Positive Control <sup>6</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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

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