

Experiment Number: 834175

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

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

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

Time Report Requested: **19:50:08**

**NTP Study Number:**

834175

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	99 ± 1.2	108 ± 9.8	164 ± 15.7	142 ± 11.7	160 ± 8.6
333.0	104 ± 2.9	117 ± 1.8	162 ± 2.2	143 ± 3.0	180 ± 14.5
1000.0	109 ± 0.9	117 ± 4.2	138 ± 11.4	145 ± 13.3	162 ± 3.5
3333.0	123 ± 11.2	125 ± 5.5	157 ± 3.0	159 ± 12.3	156 ± 2.9
10000.0	125 ± 2.2	121 ± 9.9	171 ± 13.5	170 ± 12.2	222 ± 4.6
11550.0	155 ± 2.9	132 ± 19.3	186 ± 4.0	163 ± 1.2	196 ± 10.0
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			2440 ± 73.1	1359 ± 165.2	2057 ± 90.3
Positive Control <sup>3</sup>	733 ± 35.0	722 ± 23.9			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	169 ± 8.0
333.0	176 ± 10.2
1000.0	169 ± 2.2
3333.0	149 ± 8.8
10000.0	180 ± 17.0
11550.0	178 ± 18.4
Trial Summary	Negative
Positive Control <sup>2</sup>	1023 ± 28.3
Positive Control <sup>3</sup>	

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	5 ± 1.0	8 ± 0.3	8 ± 1.8	13 ± 0.9	6 ± 1.2
333.0	3 ± 0.3	6 ± 0.6	5 ± 0.7	8 ± 0.3	8 ± 0.7
1000.0	2 ± 0.9	4 ± 0.9	7 ± 1.5	9 ± 0.9	5 ± 0.7
3333.0	4 ± 0.0	7 ± 0.7	8 ± 0.9	10 ± 2.1	5 ± 1.8
10000.0	3 ± 0.3	7 ± 1.7	4 ± 1.0	9 ± 2.1	5 ± 1.0
11550.0	6 ± 0.9	9 ± 1.5	5 ± 1.8	8 ± 1.5	6 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			160 ± 13.5	182 ± 15.7	93 ± 9.3
Positive Control <sup>3</sup>	435 ± 50.6	957 ± 173.9			

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	13 ± 2.0
333.0	12 ± 4.4
1000.0	9 ± 1.0
3333.0	10 ± 0.3
10000.0	8 ± 1.5
11550.0	10 ± 1.8
Trial Summary	Negative
Positive Control <sup>2</sup>	117 ± 4.6
Positive Control <sup>3</sup>	

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Test Compound: Butyl benzyl phthalate

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	2 ± 0.6	5 ± 2.3	7 ± 1.5	9 ± 1.2	8 ± 0.6
333.0	3 ± 1.2	5 ± 1.7	5 ± 0.3	8 ± 2.3	7 ± 0.3
1000.0	5 ± 1.0	6 ± 3.2	7 ± 0.3	7 ± 2.3	5 ± 0.3
3333.0	3 ± 0.7	7 ± 0.6	6 ± 0.9	9 ± 1.9	5 ± 0.0
10000.0	3 ± 0.9	5 ± 1.2	8 ± 1.5	7 ± 2.6	4 ± 0.0
11550.0	2 ± 0.3	6 ± 1.3	7 ± 0.3	8 ± 0.9	8 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			117 ± 30.4	122 ± 19.9	122 ± 5.7
Positive Control <sup>4</sup>	787 ± 185.8	507 ± 94.8			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	10 ± 2.3
333.0	9 ± 0.3
1000.0	8 ± 1.2
3333.0	10 ± 2.0
10000.0	7 ± 2.2
11550.0	10 ± 2.0
Trial Summary	Negative
Positive Control <sup>2</sup>	71 ± 3.8
Positive Control <sup>4</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 2.3	22 ± 6.2	21 ± 5.7	22 ± 1.5	19 ± 1.8
333.0	8 ± 0.7	13 ± 0.7	23 ± 1.9	21 ± 2.1	19 ± 1.0
1000.0	11 ± 0.7	13 ± 3.8	23 ± 1.7	24 ± 2.6	21 ± 2.4
3333.0	11 ± 0.6	14 ± 3.1	25 ± 2.0	23 ± 1.8	18 ± 4.4
10000.0	13 ± 0.9	17 ± 3.7	21 ± 2.5	26 ± 3.8	14 ± 1.0
11550.0	11 ± 2.1	17 ± 2.0	29 ± 2.3	29 ± 0.6	25 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1454 ± 115.4	622 ± 110.8	1275 ± 368.8
Positive Control <sup>5</sup>	195 ± 27.9	283 ± 19.2			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	25 ± 3.6
333.0	28 ± 4.3
1000.0	27 ± 2.3
3333.0	26 ± 2.2
10000.0	21 ± 1.5
11550.0	28 ± 4.0
Trial Summary	Negative
Positive Control <sup>2</sup>	542 ± 28.1
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

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