

Experiment Number: 729369

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Butyl anthranilate

CAS Number: 7756-96-9

Date Report Requested: 09/12/2018

Time Report Requested: 19:48:49

**NTP Study Number:**

729369

**Study Result:**

Negative

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Date Report Requested: 09/12/2018

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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>	147 ± 4.0	118 ± 13.5	161 ± 9.3	109 ± 11.3	166 ± 7.3
1.0	131 ± 5.1	118 ± 9.0			
3.3	139 ± 0.0	126 ± 4.5	170 ± 6.6	96 ± 1.5	161 ± 11.5
10.0	144 ± 4.0	114 ± 10.0	169 ± 4.0	99 ± 2.4	149 ± 12.5
33.0	151 ± 6.6	97 ± 4.4 <sup>s</sup>	160 ± 7.8	114 ± 7.0	146 ± 6.4
50.0		70 ± 10.1 <sup>s</sup>			
67.0	Toxic				
100.0			159 ± 10.3	118 ± 6.9 <sup>s</sup>	146 ± 9.2
280.0				Toxic	
333.0			119 ± 9.5 <sup>s</sup>		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					903 ± 37.1
Positive Control <sup>3</sup>			711 ± 12.4	1381 ± 58.7	
Positive Control <sup>4</sup>	1383 ± 14.8	911 ± 21.5			

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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>	108 ± 4.4
1.0	
3.3	111 ± 8.7
10.0	110 ± 8.2
33.0	132 ± 6.0
50.0	
67.0	
100.0	102 ± 10.2
280.0	Toxic
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	994 ± 17.5
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	29 ± 3.4	15 ± 2.2	15 ± 1.8	7 ± 0.3	13 ± 1.2
1.0	27 ± 3.3	22 ± 3.5			
3.3	29 ± 2.9	18 ± 2.4	11 ± 2.3	7 ± 1.5	12 ± 0.3
10.0	27 ± 3.4	23 ± 2.0	14 ± 1.2	8 ± 1.7	12 ± 1.5
33.0	24 ± 1.9	9 ± 2.2	12 ± 0.9	10 ± 2.1	11 ± 1.7
50.0		4 ± 0.9 <sup>s</sup>			
67.0	Toxic				
100.0			10 ± 4.0	7 ± 1.9	11 ± 1.9
280.0				Toxic	
333.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					90 ± 3.8
Positive Control <sup>3</sup>			73 ± 1.5	98 ± 3.8	
Positive Control <sup>4</sup>	1169 ± 31.2	580 ± 21.5			

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G06: Ames Summary Data  
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CAS Number: 7756-96-9

Date Report Requested: 09/12/2018  
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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 1.3
1.0	
3.3	9 ± 1.8
10.0	8 ± 1.0
33.0	8 ± 1.3
50.0	
67.0	
100.0	8 ± 1.5
280.0	4 ± 1.3 <sup>s</sup>
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	89 ± 6.1
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## G06: Ames Summary Data

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 2.5	6 ± 1.9	7 ± 2.0	6 ± 0.9	8 ± 0.9
1.0	4 ± 1.2	5 ± 0.3			
3.3	5 ± 0.3	6 ± 0.9	8 ± 2.0	6 ± 1.5	10 ± 1.9
10.0	9 ± 1.2	6 ± 1.2	8 ± 1.7	7 ± 2.2	9 ± 0.9
33.0	5 ± 0.9	6 ± 2.2	8 ± 1.2	7 ± 2.5	8 ± 1.0
50.0		4 ± 1.8 <sup>s</sup>			
67.0	Toxic				
100.0			8 ± 1.3	10 ± 3.2	9 ± 1.2
280.0				Toxic	
333.0			7 ± 1.7 <sup>s</sup>		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					74 ± 3.5
Positive Control <sup>3</sup>			41 ± 4.9	133 ± 5.4	
Positive Control <sup>5</sup>	166 ± 22.4	154 ± 43.4			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	5 ± 1.9
1.0	
3.3	8 ± 0.6
10.0	8 ± 1.2
33.0	4 ± 1.2
50.0	
67.0	
100.0	8 ± 1.2
280.0	6 ± 0.9 <sup>s</sup>
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	108 ± 14.3
Positive Control <sup>3</sup>	
Positive Control <sup>5</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>	21 ± 4.2	13 ± 1.0	25 ± 1.5	22 ± 1.0	26 ± 2.6
1.0	17 ± 2.4	10 ± 0.7			
3.3	13 ± 0.0	18 ± 3.4	26 ± 4.3	27 ± 5.0	31 ± 2.7
10.0	16 ± 1.7	14 ± 2.0	25 ± 2.0	27 ± 4.6	24 ± 1.2
33.0	17 ± 0.6	15 ± 2.6	26 ± 0.6	28 ± 3.0	28 ± 3.4
50.0		8 ± 0.9 <sup>s</sup>			
67.0	Toxic				
100.0			25 ± 3.0	20 ± 2.0	29 ± 2.1
280.0				Toxic	
333.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					472 ± 30.8
Positive Control <sup>3</sup>			355 ± 14.9	486 ± 17.0	
Positive Control <sup>6</sup>	1292 ± 31.2	1413 ± 26.6			

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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>	22 ± 3.2
1.0	
3.3	22 ± 2.5
10.0	23 ± 2.7
33.0	22 ± 3.2
50.0	
67.0	
100.0	25 ± 0.9
280.0	Toxic
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	323 ± 15.7
Positive Control <sup>3</sup>	
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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