

Experiment Number: **G10482**

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

**G06: Ames Summary Data**

Test Compound: **N-Butylbenzenesulfonamide**

CAS Number: **3622-84-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **03:02:46**

**NTP Study Number:**

G10482

**Study Result:**

Negative

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<b>Strain: TA100</b>				
<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>
Vehicle Control <sup>1</sup>	96 ± 7.6	78 ± 6.6	99 ± 6.1	104 ± 3.1
25.0	86 ± 6.4			
50.0	81 ± 3.5			
100.0	90 ± 9.0		122 ± 6.3	
250.0	92 ± 5.8	90 ± 3.8	111 ± 2.5	
500.0		89 ± 3.1		89 ± 3.2
750.0	96 ± 9.3	93 ± 6.2	106 ± 3.1	91 ± 8.9
1000.0		88 ± 7.4		87 ± 4.6
1200.0		74 ± 2.6		76 ± 2.3
1500.0	Toxic	Toxic	36 ± 10.1 <sup>s</sup>	79 ± 31.5
2000.0			Toxic	Toxic
3000.0			Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	500 ± 0.9			
Positive Control <sup>3</sup>		826 ± 28.0		
Positive Control <sup>4</sup>			2504 ± 24.6	2953 ± 115.5

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	20 ± 1.5	24 ± 0.7	30 ± 5.2	33 ± 4.0
25.0	20 ± 3.5			
50.0	17 ± 3.5			
100.0	23 ± 2.0		27 ± 3.1	
250.0	20 ± 3.7	17 ± 4.1	30 ± 0.6	
500.0		21 ± 3.6		34 ± 4.5
750.0	20 ± 0.9	22 ± 2.0	31 ± 3.8	33 ± 3.3
1000.0		16 ± 3.3		27 ± 0.7
1200.0		18 ± 3.1		24 ± 3.9
1500.0	7 ± 3.4 <sup>s</sup>	13 ± 2.2 <sup>s</sup>	12 ± 1.8	18 ± 1.3
2000.0			Toxic	Toxic
3000.0			Toxic	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>	333 ± 19.7			
Positive Control <sup>6</sup>			1034 ± 49.7	742 ± 40.8
Positive Control <sup>7</sup>		706 ± 52.5		

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## Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	141 ± 2.0	116 ± 8.7	170 ± 6.5	159 ± 4.5
25.0	134 ± 9.5			
50.0	131 ± 2.2			
100.0	111 ± 4.0		160 ± 2.3	
250.0	117 ± 14.5	130 ± 5.9	156 ± 9.4	
500.0		114 ± 0.9		146 ± 7.7
750.0	119 ± 8.2	124 ± 6.1	132 ± 7.8	139 ± 17.2
1000.0		105 ± 6.9		144 ± 4.3
1200.0		113 ± 12.0		139 ± 13.5
1500.0	70 ± 2.3 <sup>s</sup>	72 ± 4.8 <sup>s</sup>	76 ± 0.3 <sup>s</sup>	124 ± 8.1
2000.0			Toxic	88 ± 10.1 <sup>s</sup>
3000.0			35 ± 5.7 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>8</sup>			1677 ± 47.1	2261 ± 139.5
Positive Control <sup>9</sup>	1333 ± 20.0	2154 ± 28.2		

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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: 0.5 ug/Plate Sodium Azide
- 3: 1.0 ug/Plate Sodium Azide
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 1.5 ug/Plate 2-Nitrofluorene
- 6: 2.0 ug/Plate 2-Aminoanthracene
- 7: 3.0 ug/Plate 2-Nitrofluorene
- 8: 20.0 ug/Plate 2-Aminoanthracene
- 9: 100.0 ug/Plate Methyl Methane Sulfonate
- s: Slight Toxicity

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