

Experiment Number: A93319

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

**G06: Ames Summary Data**

Test Compound: **2,2',4,4',5-Pentabromodiphenyl Ether**

CAS Number: **60348-60-9**

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

Time Report Requested: **12:41:09**

**NTP Study Number:**

A93319

**Study Result:**

Negative

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	178 ± 7.3	200 ± 5.8
100.0	168 ± 3.0	183 ± 11.1
333.0	173 ± 5.8	184 ± 2.4
1000.0	170 ± 4.1 <sup>P</sup>	188 ± 13.0 <sup>P</sup>
3333.0	170 ± 1.8 <sup>P</sup>	187 ± 12.4 <sup>P</sup>
10000.0	139 ± 27.3 <sup>P</sup>	147 ± 10.8 <sup>P</sup>
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	681 ± 45.1	
Positive Control <sup>3</sup>		752 ± 17.0

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	18 ± 2.3	28 ± 0.6
100.0	14 ± 3.8	22 ± 1.2
333.0	14 ± 2.4	21 ± 3.8
1000.0	13 ± 1.5 <sup>p</sup>	23 ± 1.8 <sup>p</sup>
3333.0	11 ± 1.5 <sup>p</sup>	24 ± 3.3 <sup>p</sup>
10000.0	7 ± 0.3 <sup>p</sup>	13 ± 0.9 <sup>p</sup>
Trial Summary	Negative	Negative
Positive Control <sup>4</sup>		250 ± 21.7
Positive Control <sup>5</sup>	120 ± 13.5	

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**Strain: TA102**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	224 ± 22.7 <sup>S</sup>	269 ± 15.0	306 ± 15.0
100.0	0 ± 0.0 <sup>S</sup>	264 ± 9.2	243 ± 15.7
333.0	194 ± 17.3 <sup>P</sup>	252 ± 12.8	265 ± 15.4
1000.0	175 ± 4.0 <sup>P</sup>	231 ± 15.8 <sup>P</sup>	301 ± 4.3 <sup>P</sup>
3333.0	200 ± 9.0 <sup>P</sup>	197 ± 22.8 <sup>P</sup>	283 ± 15.3 <sup>P</sup>
10000.0	132 ± 1.9 <sup>P</sup>	258 ± 7.6 <sup>P</sup>	379 ± 18.8 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>6</sup>			1218 ± 42.5
Positive Control <sup>7</sup>	906 ± 89.0	992 ± 41.1	

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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: Acetone

2: 0.5 ug/Plate Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 0.4 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

6: 10.0 ug/Plate Sterigmatocystin

7: 75.0 ug/Plate Other Positive Control

p: Precipitate

s: Slight Toxicity

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