

Experiment Number: 499445

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

**G06: Ames Summary Data**

Test Compound: **Phthalocyanine mixture (undefined)**

CAS Number: **PHTHALOCYAN**

Date Report Requested: **09/12/2018**

Time Report Requested: **04:54:42**

**NTP Study Number:**

499445

**Study Result:**

Positive

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Mutagenicity

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	129 ± 5.1	168 ± 6.1	161 ± 7.3
100.0	132 ± 18.1	171 ± 9.5	162 ± 4.7
333.0	120 ± 7.3	165 ± 2.4	174 ± 8.7
1000.0	122 ± 4.3	162 ± 10.7	169 ± 5.9
3333.0	109 ± 9.9	133 ± 10.3	161 ± 1.5
10000.0	108 ± 4.6	114 ± 7.1	140 ± 13.3
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			635 ± 20.5
Positive Control <sup>3</sup>	311 ± 18.9		
Positive Control <sup>4</sup>		333 ± 7.1	

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	26 ± 1.3	28 ± 1.2	33 ± 2.3	28 ± 3.8	28 ± 1.8
33.0			36 ± 2.0	32 ± 2.7	
100.0	18 ± 1.2	32 ± 2.7	34 ± 2.7	32 ± 0.3	49 ± 4.0
333.0	18 ± 2.3	33 ± 0.9	42 ± 2.0	43 ± 0.9	72 ± 4.0
666.0					
1000.0	27 ± 2.6	36 ± 1.2	32 ± 0.6	33 ± 2.3	76 ± 6.4
1666.0			21 ± 4.4	31 ± 2.3	
3333.0	27 ± 0.3	30 ± 3.2	24 ± 3.3	22 ± 1.8	41 ± 1.5
10000.0	42 ± 6.2	30 ± 3.8			38 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Positive
Positive Control <sup>5</sup>			715 ± 46.3	340 ± 10.3	
Positive Control <sup>2</sup>		94 ± 13.8			341 ± 33.2
Positive Control <sup>6</sup>	405 ± 12.0				

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	29 ± 2.9	25 ± 2.3
33.0	30 ± 2.5	38 ± 3.7
100.0	51 ± 1.9	39 ± 3.5
333.0	76 ± 4.4	63 ± 2.3
666.0		71 ± 5.4
1000.0	91 ± 10.7	66 ± 3.3
1666.0	45 ± 5.5	
3333.0	25 ± 4.1	
10000.0		
Trial Summary	Positive	Positive
Positive Control <sup>5</sup>		
Positive Control <sup>2</sup>	201 ± 18.9	376 ± 12.3
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 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.5 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

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