

Experiment Number: A82572

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Pentabromodiphenyl Oxide (Technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/18/2018

Time Report Requested: 00:09:36

NTP Study Number:

A82572

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	68 ± 7.9	70 ± 2.6	68 ± 2.6	90 ± 7.2
1000.0	53 ± 2.4	57 ± 9.3	66 ± 2.4	82 ± 3.8
2500.0	63 ± 3.0	58 ± 4.8	73 ± 6.4	72 ± 1.2
5000.0	69 ± 2.3	68 ± 3.5	73 ± 2.7	85 ± 4.5
7500.0	70 ± 3.5	65 ± 2.4	72 ± 6.3	70 ± 5.4
10000.0	75 ± 7.5	76 ± 1.2	66 ± 1.0	82 ± 9.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	557 ± 8.1	554 ± 2.9		
Positive Control ³			1101 ± 49.2	868 ± 76.2

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	27 ± 2.3	20 ± 1.9	31 ± 2.7	24 ± 1.8
1000.0	18 ± 1.7	20 ± 4.6	31 ± 2.0	27 ± 3.2
2500.0	17 ± 2.6	21 ± 2.4	30 ± 3.3	36 ± 2.6
5000.0	19 ± 2.6	26 ± 5.0	24 ± 2.9	32 ± 1.8
7500.0	22 ± 4.7	33 ± 2.1	23 ± 2.2	27 ± 3.0
10000.0	22 ± 2.1	33 ± 7.6	23 ± 1.0	38 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1416 ± 41.9	1071 ± 41.7
Positive Control ⁴	514 ± 12.7	648 ± 26.0		

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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 ¹	167 ± 13.0	143 ± 5.0	211 ± 3.1	195 ± 12.1
1000.0	163 ± 2.5	152 ± 9.1	219 ± 5.0	211 ± 12.6
2500.0	181 ± 7.8	160 ± 6.1	254 ± 1.3	226 ± 10.2
5000.0	193 ± 8.4	118 ± 3.5	254 ± 13.1	166 ± 7.8
7500.0	210 ± 8.4	120 ± 0.7	261 ± 4.8	151 ± 5.8
10000.0	249 ± 5.1	120 ± 7.5	266 ± 18.5	142 ± 14.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			1046 ± 74.5	996 ± 14.9
Positive Control ⁶	1913 ± 40.1	1654 ± 52.8		

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LEGEND

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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****