

Experiment Number: A83261

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: 10:34:58

NTP Study Number:

A83261

Study Result:

Negative

Experiment Number: A83261

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

CAS Number: 32534-81-9

Date Report Requested: 09/18/2018

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Strain: TA100

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 |
|-------------------------------|-------------------------|-------------------------|
| Vehicle Control ¹ | 184 ± 7.0 | 182 ± 9.1 |
| 100.0 | 227 ± 11.9 | 180 ± 5.5 |
| 333.0 | 186 ± 19.2 | 180 ± 1.5 |
| 1000.0 | 208 ± 24.8 ^p | 178 ± 2.8 ^p |
| 3333.0 | 203 ± 9.5 ^p | 180 ± 7.9 ^p |
| 10000.0 | 236 ± 18.0 ^p | 184 ± 10.3 ^p |
| Trial Summary | Negative | Negative |
| Positive Control ² | 689 ± 45.4 | |
| Positive Control ³ | | 693 ± 22.2 |

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Strain: TA98

| Dose (ug/Plate) | Without S9 | With 10% Rat S9 |
|-------------------------------|-----------------------|-----------------------|
| Vehicle Control ¹ | 15 ± 3.2 | 20 ± 2.0 |
| 100.0 | 14 ± 1.0 | 22 ± 1.5 |
| 333.0 | 10 ± 1.0 | 20 ± 2.7 |
| 1000.0 | 12 ± 0.3 ^P | 21 ± 0.6 ^P |
| 3333.0 | 11 ± 1.7 ^P | 17 ± 1.0 ^P |
| 10000.0 | 11 ± 0.3 ^P | 19 ± 2.0 ^P |
| Trial Summary | Negative | Negative |
| Positive Control ⁴ | | 245 ± 11.1 |
| Positive Control ⁵ | 112 ± 8.9 | |

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G06: Ames Summary Data

Date Report Requested: 09/18/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **Pentabromodiphenyl Oxide (Technical) (DE 71)**

Time Report Requested: 10:34:58

CAS Number: 32534-81-9

Strain: TA102

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Vehicle Control ¹ | 329 ± 26.0 | 307 ± 24.4 | 221 ± 13.1 | 347 ± 28.4 |
| 100.0 | 296 ± 10.7 | 1219 ± 890.0 | 224 ± 35.6 | 397 ± 26.5 |
| 333.0 | 209 ± 24.8 | 303 ± 2.5 | 155 ± 16.7 | 396 ± 6.7 |
| 1000.0 | 325 ± 9.0 ^P | 302 ± 9.9 ^P | 233 ± 6.8 ^P | 310 ± 11.5 ^P |
| 3333.0 | 302 ± 39.2 ^P | 308 ± 12.8 ^P | 325 ± 14.1 ^P | 339 ± 6.9 ^P |
| 10000.0 | 272 ± 17.1 ^P | 328 ± 15.8 ^P | 333 ± 16.0 ^P | 355 ± 6.4 ^P |
| Trial Summary | Negative | Negative | Equivocal | Negative |
| Positive Control ⁶ | | | 845 ± 21.9 | 1434 ± 84.4 |
| Positive Control ⁷ | 1324 ± 25.9 | 1003 ± 2.5 | | |

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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: 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 Other Positive Control

6: 10.0 ug/Plate Sterigmatocystin

7: 75.0 ug/Plate Other Positive Control

p: Precipitate

**** END OF REPORT ****