

Experiment Number: 408204

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methyl pentachlorostearate

CAS Number: 26638-28-8

Date Report Requested: 09/14/2018

Time Report Requested: 22:47:48

NTP Study Number:

408204

Study Result:

Negative

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Test Compound: Methyl pentachlorostearate
CAS Number: 26638-28-8

Date Report Requested: 09/14/2018

Time Report Requested: 22:47:48

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 104 ± 14.5 | 153 ± 12.9 | 142 ± 9.1 | 116 ± 9.2 | 169 ± 5.5 |
| 100.0 | 113 ± 0.9 | 174 ± 0.6 | 171 ± 4.9 | 126 ± 14.6 | 170 ± 7.4 |
| 333.0 | 112 ± 8.4 | 146 ± 10.4 | 130 ± 11.5 | 133 ± 4.3 | 161 ± 6.4 |
| 1000.0 | 106 ± 9.8 | 106 ± 8.9 | 151 ± 17.7 | 98 ± 6.0 | 126 ± 11.5 |
| 3333.0 | 128 ± 7.0 | 139 ± 5.9 | 169 ± 8.7 | 115 ± 9.1 | 141 ± 7.8 |
| 10000.0 | 143 ± 12.5 | 164 ± 2.1 | 179 ± 3.5 | 116 ± 3.7 | 157 ± 5.7 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 739 ± 13.4 |
| Positive Control ³ | | | 548 ± 34.2 | | |
| Positive Control ⁴ | 354 ± 30.3 | 416 ± 13.7 | | | |
| Positive Control ⁵ | | | | 547 ± 36.3 | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 134 ± 4.3 |
| 100.0 | 143 ± 10.6 |
| 333.0 | 116 ± 7.5 |
| 1000.0 | 129 ± 3.5 |
| 3333.0 | 121 ± 8.5 |
| 10000.0 | 120 ± 8.3 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 593 ± 18.9 |
| Positive Control ⁴ | |
| Positive Control ⁵ | |

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Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 23 ± 1.2 | 16 ± 0.7 | 13 ± 3.2 | 23 ± 2.4 | 9 ± 1.5 |
| 100.0 | 26 ± 2.9 | 15 ± 0.7 | 15 ± 2.3 | 21 ± 3.0 | 12 ± 2.0 |
| 333.0 | 24 ± 4.1 | 13 ± 0.6 | 9 ± 1.7 | 20 ± 3.8 | 11 ± 1.5 |
| 1000.0 | 24 ± 3.2 | 13 ± 0.3 | 8 ± 2.1 | 15 ± 0.3 | 14 ± 1.8 |
| 3333.0 | 21 ± 2.5 | 14 ± 0.9 | 11 ± 1.5 | 19 ± 3.2 | 10 ± 1.5 |
| 10000.0 | 34 ± 6.5 | 21 ± 2.0 | 11 ± 0.7 | 24 ± 3.2 | 15 ± 1.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | | | 265 ± 9.0 |
| Positive Control ⁴ | 466 ± 17.5 | 409 ± 23.0 | | | |
| Positive Control ⁵ | | | 205 ± 21.2 | | |
| Positive Control ⁶ | | | | 166 ± 12.3 | |

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Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 12 ± 0.6 |
| 100.0 | 11 ± 1.8 |
| 333.0 | 17 ± 0.9 |
| 1000.0 | 16 ± 2.1 |
| 3333.0 | 14 ± 2.8 |
| 10000.0 | 18 ± 1.2 |
| Trial Summary | Negative |
| Positive Control ³ | |
| Positive Control ⁴ | |
| Positive Control ⁵ | 474 ± 17.8 |
| Positive Control ⁶ | |

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Test Compound: Methyl pentachlorostearate

CAS Number: 26638-28-8

Date Report Requested: 09/14/2018

Time Report Requested: 22:47:48

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 189 ± 4.4 | 125 ± 5.2 | 147 ± 9.0 | 190 ± 6.5 | 148 ± 11.4 |
| 100.0 | 137 ± 8.1 | 150 ± 4.9 | 139 ± 19.5 | 207 ± 6.4 | 172 ± 2.3 |
| 333.0 | 175 ± 20.4 | 138 ± 7.9 | 180 ± 14.0 | 205 ± 6.2 | 169 ± 5.0 |
| 1000.0 | 186 ± 17.1 | 124 ± 17.0 | 130 ± 3.3 | 190 ± 17.6 | 175 ± 10.3 |
| 3333.0 | 165 ± 17.3 | 139 ± 14.5 | 107 ± 4.7 | 171 ± 2.5 | 183 ± 2.6 |
| 10000.0 | 148 ± 12.4 | 155 ± 16.7 | 126 ± 1.2 | 190 ± 16.6 | 168 ± 15.1 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 505 ± 19.2 |
| Positive Control ³ | | | 436 ± 2.5 | | |
| Positive Control ⁵ | | | | 482 ± 9.9 | |
| Positive Control ⁷ | 562 ± 18.2 | 640 ± 46.7 | | | |

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Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 176 ± 21.2 |
| 100.0 | 175 ± 26.3 |
| 333.0 | 148 ± 3.5 |
| 1000.0 | 142 ± 15.8 |
| 3333.0 | 178 ± 15.7 |
| 10000.0 | 185 ± 10.5 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 359 ± 4.6 |
| Positive Control ⁵ | |
| Positive Control ⁷ | |

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Time Report Requested: 22:47:48

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 15 ± 2.5 | 25 ± 0.6 | 31 ± 4.8 | 26 ± 0.6 | 35 ± 2.0 |
| 100.0 | 17 ± 1.2 | 15 ± 1.2 | 28 ± 3.8 | 20 ± 3.5 | 33 ± 3.4 |
| 333.0 | 15 ± 0.7 | 12 ± 1.2 | 26 ± 1.5 | 24 ± 3.3 | 25 ± 4.1 |
| 1000.0 | 11 ± 1.9 | 12 ± 0.9 | 27 ± 1.9 | 24 ± 1.5 | 31 ± 0.6 |
| 3333.0 | 14 ± 0.7 | 10 ± 3.8 | 33 ± 2.7 | 26 ± 3.7 | 40 ± 2.1 |
| 10000.0 | 14 ± 0.3 | 17 ± 0.3 | 31 ± 2.4 | 30 ± 1.2 | 36 ± 2.4 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 348 ± 30.6 |
| Positive Control ³ | | | 422 ± 16.7 | 163 ± 9.8 | |
| Positive Control ⁸ | 574 ± 7.3 | 443 ± 24.2 | | | |

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Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 20 ± 2.2 |
| 100.0 | 18 ± 1.0 |
| 333.0 | 24 ± 0.9 |
| 1000.0 | 25 ± 5.4 |
| 3333.0 | 19 ± 0.7 |
| 10000.0 | 22 ± 3.5 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 441 ± 26.6 |
| Positive Control 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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****