

Experiment Number: 184793

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Isodecyl methacrylate

CAS Number: 29964-84-9

Date Report Requested: 09/13/2018

Time Report Requested: 19:29:15

NTP Study Number:

184793

Study Result:

Negative

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Test Compound: Isodecyl methacrylate

CAS Number: 29964-84-9

Date Report Requested: 09/13/2018

Time Report Requested: 19:29:15

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 142 ± 5.8 | 127 ± 12.4 | 148 ± 3.6 | 134 ± 2.4 | 139 ± 7.9 |
| 100.0 | 133 ± 10.7 | 133 ± 3.6 | 134 ± 13.1 | 123 ± 7.0 | 115 ± 4.3 |
| 333.0 | 132 ± 9.5 | 130 ± 10.7 | 128 ± 13.5 | 129 ± 7.2 | 122 ± 4.3 |
| 1000.0 | 130 ± 7.9 | 116 ± 2.3 | 132 ± 4.6 | 117 ± 5.0 | 111 ± 26.0 |
| 3333.0 | 132 ± 3.2 | 129 ± 12.5 | 120 ± 5.3 | 114 ± 9.2 | 101 ± 3.2 |
| 10000.0 | 102 ± 13.8 | 115 ± 12.7 | 114 ± 10.2 | 125 ± 9.0 | 110 ± 10.7 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 873 ± 3.8 |
| Positive Control ³ | 432 ± 14.9 | 654 ± 3.9 | | | |
| Positive Control ⁴ | | | 642 ± 47.7 | 336 ± 6.1 | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 148 ± 3.2 |
| 100.0 | 126 ± 11.3 |
| 333.0 | 99 ± 8.5 |
| 1000.0 | 126 ± 0.9 |
| 3333.0 | 123 ± 13.5 |
| 10000.0 | 129 ± 13.6 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | |
| Positive Control ⁴ | 850 ± 58.1 |

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Date Report Requested: 09/13/2018

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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 | 33 ± 1.5 | 33 ± 2.3 | 14 ± 1.9 | 17 ± 1.3 | 10 ± 1.7 |
| 100.0 | 24 ± 2.6 | 29 ± 1.9 | 10 ± 1.5 | 18 ± 3.8 | 11 ± 1.2 |
| 333.0 | 32 ± 2.9 | 35 ± 4.5 | 10 ± 0.9 | 15 ± 3.3 | 7 ± 0.7 |
| 1000.0 | 22 ± 1.3 | 34 ± 4.3 | 8 ± 0.6 | 16 ± 2.6 | 10 ± 2.3 |
| 3333.0 | 28 ± 1.9 | 36 ± 4.8 | 10 ± 2.0 | 10 ± 3.2 | 8 ± 0.9 |
| 10000.0 | 24 ± 1.5 | 39 ± 1.7 | 8 ± 1.2 | 7 ± 0.9 | 8 ± 2.2 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | | | 226 ± 2.3 |
| Positive Control ³ | 363 ± 20.5 | 586 ± 42.3 | | | |
| Positive Control ⁵ | | | 124 ± 7.7 | 147 ± 6.1 | |

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Test Compound: Isodecyl methacrylate

CAS Number: 29964-84-9

Date Report Requested: 09/13/2018

Time Report Requested: 19:29:15

Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 14 ± 0.9 |
| 100.0 | 10 ± 0.6 |
| 333.0 | 9 ± 1.2 |
| 1000.0 | 12 ± 2.3 |
| 3333.0 | 14 ± 1.9 |
| 10000.0 | 17 ± 2.4 |
| Trial Summary | Negative |
| Positive Control ⁴ | |
| Positive Control ³ | |
| Positive Control ⁵ | 617 ± 47.8 |

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G06: Ames Summary Data

Test Compound: Isodecyl methacrylate

CAS Number: 29964-84-9

Date Report Requested: 09/13/2018

Time Report Requested: 19:29:15

Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 160 ± 3.8 | 143 ± 9.0 | 185 ± 4.7 | 199 ± 2.7 | 144 ± 11.0 |
| 100.0 | 145 ± 9.0 | 159 ± 12.7 | 190 ± 10.2 | 198 ± 2.0 | 139 ± 14.3 |
| 333.0 | 177 ± 20.4 | 162 ± 6.2 | 180 ± 11.4 | 190 ± 7.0 | 152 ± 14.4 |
| 1000.0 | 191 ± 7.2 | 176 ± 5.8 | 180 ± 8.5 | 191 ± 8.4 | 154 ± 9.2 |
| 3333.0 | 167 ± 12.7 | 157 ± 11.1 | 203 ± 4.3 | 162 ± 23.7 | 154 ± 6.9 |
| 10000.0 | 154 ± 3.9 | 115 ± 57.7 | 173 ± 12.7 | 159 ± 26.4 | 145 ± 12.4 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 507 ± 8.8 |
| Positive Control ⁴ | | | 449 ± 6.4 | | |
| Positive Control ⁵ | | | | 555 ± 31.7 | |
| Positive Control ⁶ | 526 ± 24.1 | 561 ± 27.0 | | | |

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Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 163 ± 7.5 |
| 100.0 | 106 ± 4.4 |
| 333.0 | 114 ± 7.8 |
| 1000.0 | 135 ± 14.8 |
| 3333.0 | 118 ± 15.3 |
| 10000.0 | 117 ± 13.9 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ⁴ | 621 ± 10.0 |
| Positive Control ⁵ | |
| Positive Control ⁶ | |

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Test Compound: Isodecyl methacrylate

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Date Report Requested: 09/13/2018

Time Report Requested: 19:29:15

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|-------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 30 ± 4.9 | 29 ± 3.4 | 34 ± 1.8 | 48 ± 1.7 | 36 ± 4.1 |
| 100.0 | 37 ± 6.5 | 34 ± 3.5 | 28 ± 5.9 | 37 ± 7.4 | 36 ± 3.0 |
| 333.0 | 27 ± 1.8 | 27 ± 3.3 | 27 ± 2.0 | 42 ± 5.0 | 37 ± 4.9 |
| 1000.0 | 22 ± 2.0 | 28 ± 2.6 | 29 ± 5.6 | 37 ± 4.5 | 32 ± 3.3 |
| 3333.0 | 17 ± 1.3 | 25 ± 3.2 | 29 ± 1.8 | 36 ± 4.7 | 27 ± 4.3 |
| 10000.0 | 22 ± 1.3 | 24 ± 3.7 | 22 ± 1.2 | 33 ± 6.2 | 34 ± 1.7 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 437 ± 28.2 |
| Positive Control ⁴ | | | 277 ± 4.2 | 177 ± 10.7 | |
| Positive Control ⁷ | 669 ± 19.1 | 1185 ± 36.3 | | | |

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G06: Ames Summary Data

Test Compound: Isodecyl methacrylate

CAS Number: 29964-84-9

Date Report Requested: 09/13/2018

Time Report Requested: 19:29:15

Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 26 ± 0.9 |
| 100.0 | 32 ± 4.7 |
| 333.0 | 27 ± 5.0 |
| 1000.0 | 26 ± 3.3 |
| 3333.0 | 29 ± 3.7 |
| 10000.0 | 29 ± 3.8 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ⁴ | 620 ± 10.3 |
| Positive Control ⁷ | |

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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 Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****