

Experiment Number: 613813

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Ethylhexyl acrylate

CAS Number: 103-11-7

Date Report Requested: 09/15/2018

Time Report Requested: 07:05:38

NTP Study Number:

613813

Study Result:

Negative

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Test Compound: 2-Ethylhexyl acrylate

CAS Number: 103-11-7

Date Report Requested: 09/15/2018

Time Report Requested: 07:05:38

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 130 ± 3.8 | 166 ± 2.3 | 164 ± 7.4 | 193 ± 15.0 | 159 ± 10.8 |
| 100.0 | 138 ± 19.0 | 171 ± 6.9 | 134 ± 8.6 | 227 ± 2.3 | 118 ± 7.9 |
| 333.0 | 126 ± 5.3 | 163 ± 1.5 | 165 ± 10.1 | 202 ± 10.2 | 103 ± 2.7 |
| 1000.0 | 115 ± 9.3 | 153 ± 3.2 | 159 ± 10.5 | 217 ± 10.3 | 114 ± 2.9 |
| 3333.0 | 112 ± 3.5 | 152 ± 5.8 | 176 ± 7.2 | 193 ± 8.1 | 108 ± 9.0 |
| 10000.0 | Toxic | 144 ± 4.6 | 152 ± 4.0 | 178 ± 15.0 | 75 ± 1.7 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | 906 ± 69.3 | 2114 ± 55.1 | 1320 ± 62.7 |
| Positive Control ³ | 1632 ± 39.1 | 358 ± 23.1 | | | |

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 238 ± 19.5 |
| 100.0 | 255 ± 24.0 |
| 333.0 | 223 ± 2.2 |
| 1000.0 | 178 ± 17.6 |
| 3333.0 | 183 ± 20.4 |
| 10000.0 | 189 ± 3.8 |
| Trial Summary | Negative |
| Positive Control ² | 1321 ± 165.8 |
| Positive Control ³ | |

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Test Compound: 2-Ethylhexyl acrylate

CAS Number: 103-11-7

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Time Report Requested: 07:05:38

Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|-------------|-------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 13 ± 1.5 | 30 ± 2.9 | 8 ± 2.3 | 19 ± 3.4 | 13 ± 3.2 |
| 100.0 | 11 ± 2.3 | 23 ± 3.2 | 13 ± 2.3 | 21 ± 2.0 | 12 ± 1.5 |
| 333.0 | 9 ± 1.3 | 22 ± 1.5 | 9 ± 1.8 | 20 ± 2.4 | 11 ± 1.5 |
| 1000.0 | 11 ± 1.3 | 25 ± 3.6 | 8 ± 2.6 | 26 ± 1.2 | 10 ± 1.5 |
| 3333.0 | 13 ± 2.7 | 20 ± 1.5 | 9 ± 1.2 | 24 ± 2.0 | 8 ± 0.9 |
| 10000.0 | Toxic | Toxic | Toxic | 17 ± 0.9 | Toxic |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | 552 ± 63.7 | 537 ± 42.3 | 201 ± 5.9 |
| Positive Control ³ | 1071 ± 47.7 | 1114 ± 20.8 | | | |

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Test Compound: 2-Ethylhexyl acrylate

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Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 23 ± 4.0 |
| 100.0 | 18 ± 0.9 |
| 333.0 | 15 ± 2.2 |
| 1000.0 | 17 ± 2.9 |
| 3333.0 | 14 ± 2.9 |
| 10000.0 | 17 ± 3.2 |
| Trial Summary | Negative |
| Positive Control ⁴ | 439 ± 14.4 |
| Positive Control ³ | |

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Test Compound: 2-Ethylhexyl acrylate

CAS Number: 103-11-7

Date Report Requested: 09/15/2018

Time Report Requested: 07:05:38

Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|------------|------------|--------------|-----------------|-----------------|
| Vehicle Control ¹ | 9 ± 0.3 | 9 ± 2.7 | 14 ± 1.2 | 11 ± 1.2 | 26 ± 3.8 |
| 3.3 | | 11 ± 2.0 | 13 ± 2.6 | | |
| 10.0 | | 9 ± 0.3 | 12 ± 2.4 | | |
| 33.0 | | 5 ± 1.3 | 4 ± 2.0 | | |
| 100.0 | 7 ± 0.3 | 5 ± 0.9 | 8 ± 1.5 | 11 ± 1.7 | 23 ± 2.6 |
| 333.0 | Toxic | Toxic | Toxic | 10 ± 1.2 | 17 ± 1.0 |
| 1000.0 | Toxic | | | 13 ± 2.0 | 19 ± 1.2 |
| 3333.0 | Toxic | | | 9 ± 2.2 | 14 ± 0.0 |
| 10000.0 | Toxic | | | 8 ± 0.9 | 14 ± 2.1 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | | 382 ± 17.7 | 196 ± 25.8 |
| Positive Control ⁵ | 199 ± 10.7 | 730 ± 56.9 | 1000 ± 124.5 | | |

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Test Compound: 2-Ethylhexyl acrylate

CAS Number: 103-11-7

Date Report Requested: 09/15/2018

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Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 | With 10% Hamster S9 |
|-------------------------------|----------------------------|----------------------------|
| Vehicle Control ¹ | 12 ± 2.3 | 29 ± 0.0 |
| 3.3 | | |
| 10.0 | | |
| 33.0 | | |
| 100.0 | 15 ± 2.8 | 22 ± 2.6 |
| 333.0 | 7 ± 1.5 | 19 ± 1.7 |
| 1000.0 | 7 ± 1.8 | 15 ± 3.2 |
| 3333.0 | 9 ± 1.9 | 18 ± 0.7 |
| 10000.0 | 6 ± 1.2 | 19 ± 1.8 |
| Trial Summary | Negative | Negative |
| Positive Control ⁴ | 1341 ± 226.9 | 413 ± 18.4 |
| Positive Control ⁵ | | |

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Test Compound: 2-Ethylhexyl acrylate

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Date Report Requested: 09/15/2018

Time Report Requested: 07:05:38

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 19 ± 1.5 | 15 ± 2.0 | 27 ± 3.5 | 21 ± 2.4 | 28 ± 3.4 |
| 100.0 | 15 ± 2.7 | 15 ± 1.5 | 21 ± 4.1 | 28 ± 1.2 | 31 ± 1.5 |
| 333.0 | 14 ± 0.9 | 14 ± 3.7 | 25 ± 4.0 | 28 ± 1.3 | 26 ± 3.0 |
| 1000.0 | 13 ± 0.9 | 13 ± 0.6 | 21 ± 3.7 | 25 ± 2.6 | 23 ± 3.0 |
| 3333.0 | 16 ± 1.9 | 10 ± 0.0 | 17 ± 2.6 | 25 ± 2.0 | 21 ± 4.4 |
| 10000.0 | 18 ± 1.8 | 9 ± 0.7 | 16 ± 2.6 | 22 ± 3.1 | 19 ± 1.9 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | 1069 ± 88.6 | 2119 ± 276.2 | 1058 ± 50.1 |
| Positive Control ⁶ | 572 ± 24.1 | 430 ± 77.1 | | | |

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G06: Ames Summary Data

Test Compound: 2-Ethylhexyl acrylate

CAS Number: 103-11-7

Date Report Requested: 09/15/2018

Time Report Requested: 07:05:38

Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 33 ± 1.9 |
| 100.0 | 33 ± 4.0 |
| 333.0 | 33 ± 2.2 |
| 1000.0 | 32 ± 3.1 |
| 3333.0 | 31 ± 2.7 |
| 10000.0 | 22 ± 4.7 |
| Trial Summary | Negative |
| Positive Control ² | 924 ± 65.8 |
| Positive Control ⁶ | |

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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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****