

Experiment Number: 925692

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Sodium (2-ethylhexyl)alcohol sulfate

CAS Number: 126-92-1

Date Report Requested: 09/17/2018

Time Report Requested: 07:18:08

NTP Study Number:

925692

Study Result:

Negative

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Test Compound: Sodium (2-ethylhexyl)alcohol sulfate
CAS Number: 126-92-1

Date Report Requested: 09/17/2018

Time Report Requested: 07:18:08

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 99 ± 3.5 | 159 ± 7.4 | 100 ± 4.6 | 158 ± 4.1 | 123 ± 10.6 |
| 100.0 | 160 ± 4.4 | 182 ± 5.7 | 152 ± 9.7 | 145 ± 14.6 | 111 ± 12.9 |
| 333.0 | 140 ± 6.9 | 186 ± 0.7 | 160 ± 18.5 | 136 ± 5.8 | 121 ± 9.2 |
| 1000.0 | 154 ± 10.4 | 181 ± 4.6 | 148 ± 5.4 | 134 ± 4.4 | 127 ± 7.8 |
| 3333.0 | 127 ± 15.1 | 173 ± 7.0 | 128 ± 8.4 | 137 ± 3.4 | 123 ± 4.2 |
| 10000.0 | 114 ± 9.6 | 113 ± 6.7 ^s | 113 ± 13.0 | 116 ± 10.8 | 95 ± 3.3 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | 239 ± 4.3 | 471 ± 17.5 | | | |
| Positive Control ³ | | | 838 ± 11.3 | 1262 ± 54.6 | 655 ± 67.7 |

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Strain: TA100

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 155 ± 2.9 |
| 100.0 | 169 ± 10.3 |
| 333.0 | 158 ± 11.2 |
| 1000.0 | 157 ± 3.8 |
| 3333.0 | 161 ± 3.5 |
| 10000.0 | 122 ± 10.1 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 1584 ± 55.1 |

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Test Compound: Sodium (2-ethylhexyl)alcohol sulfate
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Strain: TA1535

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 22 ± 3.1 | 32 ± 3.0 | 6 ± 1.0 | 16 ± 1.5 | 7 ± 2.3 |
| 100.0 | 42 ± 4.0 | 27 ± 1.9 | 15 ± 1.5 | 13 ± 2.5 | 12 ± 3.3 |
| 333.0 | 42 ± 1.9 | 27 ± 4.5 | 10 ± 2.5 | 15 ± 0.3 | 14 ± 1.9 |
| 1000.0 | 35 ± 4.0 | 23 ± 2.8 | 10 ± 2.3 | 14 ± 6.0 | 12 ± 2.7 |
| 3333.0 | 50 ± 5.5 | 23 ± 3.2 | 8 ± 0.9 | 14 ± 1.5 | 12 ± 0.3 |
| 10000.0 | 34 ± 2.8 | 19 ± 0.9 | 15 ± 3.8 | 15 ± 1.5 | 12 ± 3.2 |
| Trial Summary | Equivocal | Negative | Negative | Negative | Negative |
| Positive Control ² | 245 ± 8.6 | 359 ± 12.5 | | | |
| Positive Control ⁴ | | | 235 ± 16.5 | 438 ± 30.3 | 414 ± 22.7 |

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Strain: TA1535

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 15 ± 3.2 |
| 100.0 | 17 ± 2.2 |
| 333.0 | 16 ± 1.2 |
| 1000.0 | 18 ± 3.2 |
| 3333.0 | 17 ± 1.3 |
| 10000.0 | 16 ± 1.5 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ⁴ | 505 ± 13.2 |

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Test Compound: Sodium (2-ethylhexyl)alcohol sulfate
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Strain: TA1537

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 9 ± 3.7 | 13 ± 0.7 | 5 ± 0.9 | 16 ± 1.9 | 7 ± 1.2 |
| 100.0 | 9 ± 2.0 | 11 ± 1.0 | 13 ± 2.3 | 18 ± 1.2 | 11 ± 1.3 |
| 333.0 | 13 ± 2.1 | 11 ± 3.6 | 9 ± 3.2 | 19 ± 2.7 | 6 ± 0.7 |
| 1000.0 | 8 ± 0.3 | 9 ± 2.5 | 10 ± 1.9 | 18 ± 2.0 | 13 ± 2.0 |
| 3333.0 | 13 ± 1.0 | 11 ± 2.2 | 12 ± 2.9 | 18 ± 3.3 | 10 ± 1.7 |
| 10000.0 | 11 ± 2.5 | 13 ± 0.7 | 14 ± 3.3 | 9 ± 2.5 | 11 ± 2.6 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ⁴ | | | 342 ± 11.6 | 491 ± 60.8 | 487 ± 13.7 |
| Positive Control ⁵ | 265 ± 38.2 | 215 ± 8.4 | | | |

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Strain: TA1537

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 18 ± 1.0 |
| 100.0 | 18 ± 1.9 |
| 333.0 | 15 ± 0.3 |
| 1000.0 | 17 ± 2.1 |
| 3333.0 | 18 ± 1.5 |
| 10000.0 | 15 ± 1.8 |
| Trial Summary | Negative |
| Positive Control ⁴ | 559 ± 5.5 |
| Positive Control ⁵ | |

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Time Report Requested: 07:18:08

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 ± 3.1 | 30 ± 1.5 | 21 ± 2.3 | 44 ± 3.7 | 29 ± 5.8 |
| 100.0 | 27 ± 8.2 | 21 ± 1.5 | 24 ± 2.3 | 43 ± 3.2 | 40 ± 2.2 |
| 333.0 | 22 ± 2.7 | 28 ± 1.5 | 24 ± 5.2 | 39 ± 3.6 | 32 ± 1.0 |
| 1000.0 | 18 ± 1.2 | 35 ± 1.9 | 31 ± 3.2 | 43 ± 3.8 | 35 ± 5.6 |
| 3333.0 | 19 ± 3.4 | 23 ± 3.6 | 29 ± 2.0 | 34 ± 2.2 | 35 ± 3.5 |
| 10000.0 | 18 ± 1.7 | 22 ± 2.7 | 20 ± 2.6 | 37 ± 3.2 | 26 ± 6.4 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | 567 ± 23.3 | 1031 ± 178.1 | 1325 ± 36.0 |
| Positive Control ⁶ | 595 ± 22.1 | 815 ± 4.9 | | | |

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Test Compound: Sodium (2-ethylhexyl)alcohol sulfate
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Time Report Requested: 07:18:08

Strain: TA98

| Dose (ug/Plate) | With 10% Hamster S9 |
|-------------------------------|----------------------------|
| Vehicle Control ¹ | 42 ± 1.7 |
| 100.0 | 50 ± 3.2 |
| 333.0 | 50 ± 1.0 |
| 1000.0 | 43 ± 3.8 |
| 3333.0 | 43 ± 5.8 |
| 10000.0 | 31 ± 2.3 |
| Trial Summary | Negative |
| Positive Control ³ | 1393 ± 120.7 |
| 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: Water

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****