

Experiment Number: 487395

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tara gum

CAS Number: 39300-88-4

Date Report Requested: 09/11/2018

Time Report Requested: 22:34:38

NTP Study Number:

487395

Study Result:

Negative

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Test Compound: Tara gum

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Date Report Requested: 09/11/2018

Time Report Requested: 22:34:38

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 121 ± 7.5 | 194 ± 2.3 | 129 ± 1.2 | 145 ± 5.2 | 127 ± 6.7 |
| 100.0 | 115 ± 6.1 | 183 ± 8.7 | 140 ± 15.7 | 155 ± 6.0 | 131 ± 11.8 |
| 333.0 | 98 ± 2.5 | 187 ± 5.9 | 141 ± 1.3 | 161 ± 3.5 | 114 ± 4.2 |
| 1000.0 | 130 ± 6.4 | 194 ± 1.5 | 126 ± 4.4 | 157 ± 2.7 | 127 ± 7.5 |
| 3333.0 | 105 ± 4.7 | 199 ± 0.3 | 138 ± 6.4 | 157 ± 9.7 | 128 ± 10.2 |
| 10000.0 | 125 ± 10.3 | 171 ± 7.8 | 109 ± 2.2 | 144 ± 15.1 | 129 ± 9.1 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 1579 ± 113.1 |
| Positive Control ³ | | | 1094 ± 11.7 | | |
| Positive Control ⁴ | 405 ± 19.0 | 407 ± 16.0 | | | |
| Positive Control ⁵ | | | | 467 ± 11.5 | |

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Strain: TA100

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 104 ± 2.3 |
| 100.0 | 128 ± 6.4 |
| 333.0 | 122 ± 4.4 |
| 1000.0 | 153 ± 3.9 |
| 3333.0 | 139 ± 6.1 |
| 10000.0 | 133 ± 4.2 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 639 ± 6.7 |
| 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 | 19 ± 2.4 | 26 ± 2.4 | 9 ± 2.6 | 11 ± 1.5 | 11 ± 1.0 |
| 100.0 | 27 ± 1.9 | 27 ± 1.5 | 9 ± 1.3 | 8 ± 0.3 | 10 ± 4.1 |
| 333.0 | 26 ± 3.3 | 24 ± 4.4 | 12 ± 2.2 | 18 ± 4.0 | 9 ± 0.3 |
| 1000.0 | 17 ± 1.5 | 29 ± 4.3 | 10 ± 1.0 | 13 ± 0.9 | 7 ± 1.2 |
| 3333.0 | 17 ± 2.3 | 25 ± 0.6 | 13 ± 1.5 | 14 ± 3.0 | 9 ± 0.3 |
| 10000.0 | 19 ± 2.6 | 31 ± 1.0 | 7 ± 0.7 | 9 ± 0.6 | 8 ± 0.5 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ³ | | | | | 190 ± 13.6 |
| Positive Control ⁴ | 441 ± 54.8 | 317 ± 6.3 | | | |
| Positive Control ⁵ | | | 120 ± 4.4 | | |
| Positive Control ⁶ | | | | 159 ± 31.2 | |

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Strain: TA1535

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 6 ± 1.2 |
| 100.0 | 10 ± 1.5 |
| 333.0 | 8 ± 0.9 |
| 1000.0 | 11 ± 0.3 |
| 3333.0 | 11 ± 0.9 |
| 10000.0 | 11 ± 1.7 |
| Trial Summary | Negative |
| Positive Control ³ | |
| Positive Control ⁴ | |
| Positive Control ⁵ | 391 ± 24.9 |
| Positive Control ⁶ | |

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Date Report Requested: 09/11/2018
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Strain: TA1537

| Dose (ug/Plate) | Without S9 | With 30% Rat S9 | With 30% Hamster S9 |
|-------------------------------|------------|-----------------|---------------------|
| Vehicle Control ¹ | 13 ± 3.3 | 13 ± 2.7 | 17 ± 1.2 |
| 100.0 | 8 ± 2.1 | 15 ± 1.2 | 10 ± 1.9 |
| 333.0 | 12 ± 3.8 | 11 ± 1.0 | 13 ± 1.2 |
| 1000.0 | 12 ± 1.3 | 13 ± 1.9 | 9 ± 1.3 |
| 3333.0 | 10 ± 1.5 | 13 ± 0.3 | 9 ± 2.2 |
| 10000.0 | 9 ± 3.5 | 10 ± 1.2 | 8 ± 2.0 |
| Trial Summary | Negative | Negative | Negative |
| Positive Control ³ | | | 78 ± 1.8 |
| Positive Control ⁵ | | 41 ± 0.6 | |
| Positive Control ⁷ | 818 ± 70.0 | | |

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Date Report Requested: 09/11/2018

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Strain: TA97

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 139 ± 7.6 | 191 ± 3.2 | 189 ± 0.3 | 188 ± 6.1 | 168 ± 20.2 |
| 100.0 | 141 ± 5.6 | 176 ± 7.9 | 200 ± 4.4 | 219 ± 4.0 | 180 ± 3.5 |
| 333.0 | 137 ± 19.5 | 188 ± 6.6 | 203 ± 5.5 | 220 ± 1.0 | 191 ± 9.8 |
| 1000.0 | 165 ± 4.8 | 198 ± 1.5 | 194 ± 15.6 | 201 ± 0.9 | 181 ± 2.7 |
| 3333.0 | 153 ± 4.2 | 183 ± 8.6 | 205 ± 3.3 | 201 ± 6.4 | 186 ± 11.3 |
| 10000.0 | 152 ± 5.2 | 183 ± 2.7 | 198 ± 6.4 | 208 ± 1.5 | 184 ± 6.4 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 848 ± 132.3 |
| Positive Control ³ | | | 640 ± 6.6 | | |
| Positive Control ⁵ | | | | 355 ± 13.2 | |
| Positive Control ⁷ | 615 ± 12.3 | 661 ± 30.6 | | | |

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Strain: TA97

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 163 ± 16.8 |
| 100.0 | 169 ± 8.4 |
| 333.0 | 203 ± 12.9 |
| 1000.0 | 170 ± 1.7 |
| 3333.0 | 183 ± 6.7 |
| 10000.0 | 184 ± 7.2 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 536 ± 21.8 |
| Positive Control ⁵ | |
| Positive Control ⁷ | |

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G06: Ames Summary Data

Test Compound: Tara gum

CAS Number: 39300-88-4

Date Report Requested: 09/11/2018

Time Report Requested: 22:34:38

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 30% Rat S9 | With 10% Hamster S9 |
|-------------------------------|------------|------------|-----------------|-----------------|---------------------|
| Vehicle Control ¹ | 21 ± 1.5 | 19 ± 2.0 | 29 ± 4.7 | 50 ± 1.2 | 32 ± 1.8 |
| 100.0 | 16 ± 2.3 | 16 ± 1.8 | 34 ± 1.7 | 40 ± 1.7 | 33 ± 2.0 |
| 333.0 | 18 ± 1.8 | 19 ± 0.9 | 31 ± 1.3 | 41 ± 2.2 | 26 ± 2.3 |
| 1000.0 | 19 ± 2.7 | 18 ± 1.5 | 27 ± 1.0 | 27 ± 2.8 | 33 ± 2.3 |
| 3333.0 | 14 ± 0.6 | 17 ± 2.1 | 22 ± 6.8 | 32 ± 3.0 | 23 ± 3.2 |
| 10000.0 | 17 ± 3.0 | 16 ± 4.2 | 29 ± 6.9 | 42 ± 2.0 | 34 ± 0.5 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control ² | | | | | 847 ± 61.7 |
| Positive Control ³ | | | 379 ± 39.7 | 134 ± 18.4 | |
| Positive Control ⁸ | 498 ± 44.7 | 598 ± 20.6 | | | |

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Strain: TA98

| Dose (ug/Plate) | With 30% Hamster S9 |
|-------------------------------|---------------------|
| Vehicle Control ¹ | 28 ± 2.4 |
| 100.0 | 23 ± 1.3 |
| 333.0 | 19 ± 0.3 |
| 1000.0 | 25 ± 2.3 |
| 3333.0 | 25 ± 1.2 |
| 10000.0 | 22 ± 2.2 |
| Trial Summary | Negative |
| Positive Control ² | |
| Positive Control ³ | 481 ± 63.5 |
| 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 **