Experiment Number: **933175**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:41:42**

**NTP Study Number:** 933175

**Study Result:** Negative

Experiment Number: **933175**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:41:42**

**Strain: TA100**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 129 ± 2.7 | 130 ± 4.4 | 111 ± 10.0 | 141 ± 4.6 | 113 ± 6.2 |
| 100.0 | 140 ± 6.2 | 133 ± 8.4 | 120 ± 1.2 | 150 ± 13.7 | 118 ± 2.3 |
| 333.0 | 134 ± 7.5 | 142 ± 2.7 | 118 ± 11.2 | 140 ± 7.2 | 110 ± 8.9 |
| 1000.0 | 135 ± 4.2 | 146 ± 5.1 | 117 ± 5.0 | 125 ± 9.2 | 107 ± 5.0 |
| 3333.0 | 138 ± 4.7 | 137 ± 12.5 | 109 ± 7.8 | 122 ± 8.7 | 128 ± 3.3 |
| 10000.0 | 140 ± 3.0 | 136 ± 7.8 | 102 ± 0.6 | 124 ± 4.1 | 121 ± 13.5 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 1767 ± 89.4 |
| Positive Control[3] | | | 929 ± 12.3 | 1191 ± 36.6 | |
| Positive Control[4] | 1539 ± 54.0 | 1321 ± 82.6 | | | |

Experiment Number: **933175**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:41:42**

**Strain: TA100**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 142 ± 4.4 |
| 100.0 | 123 ± 5.5 |
| 333.0 | 130 ± 4.9 |
| 1000.0 | 118 ± 9.8 |
| 3333.0 | 127 ± 2.6 |
| 10000.0 | 119 ± 15.7 |
| Trial Summary | Negative |
| Positive Control[2] | 2031 ± 117.4 |
| Positive Control[3] | |
| Positive Control[4] | |

Experiment Number: **933175**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:41:42**

**Strain: TA1535**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 24 ± 1.5 | 16 ± 0.9 | 9 ± 2.0 | 12 ± 0.9 | 14 ± 1.0 |
| 100.0 | 19 ± 2.1 | 15 ± 2.1 | 8 ± 0.9 | 11 ± 1.0 | 10 ± 3.7 |
| 333.0 | 16 ± 0.9 | 16 ± 2.0 | 9 ± 1.7 | 12 ± 2.3 | 8 ± 1.5 |
| 1000.0 | 19 ± 1.8 | 17 ± 2.2 | 6 ± 1.0 | 16 ± 1.3 | 10 ± 0.6 |
| 3333.0 | 16 ± 1.8 | 13 ± 2.0 | 4 ± 0.3 | 7 ± 0.7 | 9 ± 1.5 |
| 10000.0 | 16 ± 0.3 | 14 ± 1.3 | 7 ± 0.6 | 9 ± 1.2 | 6 ± 1.8 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 146 ± 7.6 |
| Positive Control[3] | | | 47 ± 4.9 | 57 ± 3.4 | |
| Positive Control[4] | 1041 ± 90.4 | 1270 ± 48.2 | | | |

Experiment Number: **933175**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:41:42**

**Strain: TA1535**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 10 ± 2.1 |
| 100.0 | 9 ± 2.4 |
| 333.0 | 16 ± 1.2 |
| 1000.0 | 8 ± 2.4 |
| 3333.0 | 12 ± 4.5 |
| 10000.0 | 7 ± 0.7 |
| Trial Summary | Negative |
| Positive Control[2] | 147 ± 7.8 |
| Positive Control[3] | |
| Positive Control[4] | |

Experiment Number: **933175**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:41:42**

**Strain: TA1537**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 4 ± 0.0 | 7 ± 1.5 | 12 ± 1.0 | 7 ± 1.5 | 8 ± 0.9 |
| 100.0 | 5 ± 1.5 | 9 ± 2.6 | 9 ± 0.7 | 11 ± 0.6 | 9 ± 0.6 |
| 333.0 | 5 ± 0.7 | 6 ± 0.3 | 10 ± 1.5 | 6 ± 2.5 | 7 ± 0.6 |
| 1000.0 | 5 ± 1.0 | 11 ± 1.3 | 11 ± 3.3 | 11 ± 2.2 | 9 ± 1.0 |
| 3333.0 | 7 ± 1.2 | 7 ± 0.7 | 11 ± 2.1 | 8 ± 1.5 | 8 ± 2.4 |
| 10000.0 | 8 ± 1.7 | 7 ± 0.9 | 3 ± 0.3 | 6 ± 1.2 | 7 ± 0.6 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 140 ± 5.0 |
| Positive Control[3] | | | 58 ± 4.4 | 112 ± 8.7 | |
| Positive Control[5] | 265 ± 30.6 | 466 ± 30.3 | | | |

Experiment Number: **933175**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:41:42**

**Strain: TA1537**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 8 ± 2.2 |
| 100.0 | 10 ± 3.8 |
| 333.0 | 8 ± 3.3 |
| 1000.0 | 7 ± 0.3 |
| 3333.0 | 4 ± 0.6 |
| 10000.0 | 5 ± 1.2 |
| Trial Summary | Negative |
| Positive Control[2] | 222 ± 24.1 |
| Positive Control[3] | |
| Positive Control[5] | |

Experiment Number: **933175**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:41:42**

**Strain: TA98**

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 | With 10% Hamster S9 |
|---|---|---|---|---|---|
| Vehicle Control[1] | 23 ± 1.0 | 22 ± 0.9 | 32 ± 1.5 | 27 ± 3.8 | 32 ± 0.9 |
| 100.0 | 19 ± 2.1 | 26 ± 4.3 | 27 ± 0.6 | 36 ± 0.9 | 30 ± 2.3 |
| 333.0 | 21 ± 1.9 | 27 ± 3.4 | 28 ± 4.2 | 30 ± 4.0 | 23 ± 5.7 |
| 1000.0 | 15 ± 2.7 | 16 ± 0.9 | 31 ± 3.1 | 28 ± 4.3 | 26 ± 1.5 |
| 3333.0 | 19 ± 2.2 | 21 ± 5.4 | 20 ± 4.9 | 25 ± 2.5 | 27 ± 1.8 |
| 10000.0 | 22 ± 2.9 | 21 ± 4.0 | 20 ± 1.8 | 20 ± 1.2 | 19 ± 2.9 |
| Trial Summary | Negative | Negative | Negative | Negative | Negative |
| Positive Control[2] | | | | | 1569 ± 74.6 |
| Positive Control[3] | | | 762 ± 37.1 | 1056 ± 30.3 | |
| Positive Control[6] | 1624 ± 52.5 | 1459 ± 51.8 | | | |

Experiment Number: **933175**

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Butyl benzyl phthalate**

CAS Number: **85-68-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **11:41:42**

**Strain: TA98**

| Dose (ug/Plate) | With 10% Hamster S9 |
|---|---|
| Vehicle Control[1] | 32 ± 3.7 |
| 100.0 | 30 ± 2.0 |
| 333.0 | 27 ± 1.5 |
| 1000.0 | 27 ± 1.2 |
| 3333.0 | 23 ± 2.3 |
| 10000.0 | 17 ± 2.4 |
| Trial Summary | Negative |
| Positive Control[2] | 1928 ± 50.6 |
| Positive Control[3] | |
| Positive Control[6] | |

**LEGEND**

Values given as Mean or Mean ± 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: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **