

Experiment Number: 483211

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

G06: Ames Summary Data

Test Compound: **Di(2-ethylhexyl) Phthalate**

CAS Number: 117-81-7

Date Report Requested: **09/11/2018**

Time Report Requested: **17:10:24**

NTP Study Number:

483211

Study Result:

Negative

Experiment Number: 483211

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**Test Compound: Di(2-ethylhexyl) Phthalate
CAS Number: 117-81-7

Date Report Requested: 09/11/2018

Time Report Requested: 17:10:24

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	179 ± 9.9	124 ± 9.4	206 ± 22.3	165 ± 12.4	197 ± 24.3
100.0	159 ± 10.0	114 ± 6.1	264 ± 37.2	155 ± 15.7	208 ± 9.5
333.0	179 ± 16.2	125 ± 11.4	192 ± 15.6	135 ± 7.0	187 ± 17.1
1000.0	201 ± 12.5	122 ± 10.6	215 ± 5.4	160 ± 6.0	195 ± 10.7
3333.0	180 ± 11.1	115 ± 7.6	209 ± 12.3	145 ± 9.9	190 ± 22.0
10000.0	202 ± 11.9	123 ± 13.0	224 ± 3.8	214 ± 13.1	193 ± 19.1
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²			436 ± 51.4	381 ± 43.3	517 ± 103.6
Positive Control ³	502 ± 47.2	311 ± 15.8			

Experiment Number: 483211

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

G06: Ames Summary Data

Test Compound: **Di(2-ethylhexyl) Phthalate**

CAS Number: 117-81-7

Date Report Requested: 09/11/2018

Time Report Requested: 17:10:24

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	191 ± 10.2
100.0	152 ± 21.8
333.0	143 ± 16.3
1000.0	148 ± 18.9
3333.0	216 ± 64.5
10000.0	164 ± 4.5
Trial Summary	Negative
Positive Control ²	476 ± 133.6
Positive Control ³	

Experiment Number: 483211

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**Test Compound: Di(2-ethylhexyl) Phthalate
CAS Number: 117-81-7

Date Report Requested: 09/11/2018

Time Report Requested: 17:10:24

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.0	9 ± 1.2	15 ± 1.0	14 ± 0.6	11 ± 1.5
100.0	11 ± 0.9	10 ± 0.9	13 ± 0.6	12 ± 0.7	13 ± 2.0
333.0	13 ± 2.6	12 ± 2.3	15 ± 2.3	17 ± 2.7	14 ± 1.5
1000.0	12 ± 2.9	12 ± 3.0	16 ± 1.2	14 ± 1.3	21 ± 1.8
3333.0	11 ± 0.9	10 ± 1.0	11 ± 2.0	7 ± 1.5	13 ± 1.8
10000.0	13 ± 1.8	11 ± 2.0	11 ± 1.8	15 ± 3.0	22 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			44 ± 4.6	75 ± 12.4	62 ± 4.9
Positive Control ³	278 ± 9.2	127 ± 17.4			

Experiment Number: 483211

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

G06: Ames Summary Data

Test Compound: **Di(2-ethylhexyl) Phthalate**

CAS Number: 117-81-7

Date Report Requested: 09/11/2018

Time Report Requested: 17:10:24

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.0
100.0	13 ± 1.9
333.0	14 ± 0.7
1000.0	22 ± 1.8
3333.0	13 ± 1.2
10000.0	20 ± 1.7
Trial Summary	Negative
Positive Control ²	80 ± 9.7
Positive Control ³	

Experiment Number: 483211

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Di(2-ethylhexyl) Phthalate

CAS Number: 117-81-7

Date Report Requested: 09/11/2018

Time Report Requested: 17:10:24

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3	8 ± 1.2	8 ± 0.9	9 ± 2.5	10 ± 2.3
100.0	3 ± 0.9	4 ± 0.9	11 ± 3.5	8 ± 2.1	7 ± 0.7
333.0	2 ± 1.2	7 ± 2.0	8 ± 1.2	7 ± 1.2	9 ± 2.0
1000.0	5 ± 0.9	6 ± 1.2	10 ± 0.7	6 ± 2.8	11 ± 2.2
3333.0	4 ± 0.9	4 ± 1.2	7 ± 1.9	8 ± 1.8	10 ± 2.2
10000.0	3 ± 1.5	6 ± 0.9	7 ± 2.0	8 ± 0.9	8 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			39 ± 10.8	63 ± 21.7	116 ± 19.5
Positive Control ⁴	219 ± 43.2	123 ± 41.9			

Experiment Number: 483211

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

G06: Ames Summary Data

Test Compound: **Di(2-ethylhexyl) Phthalate**

CAS Number: 117-81-7

Date Report Requested: 09/11/2018

Time Report Requested: 17:10:24

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.5
100.0	8 ± 1.5
333.0	9 ± 0.6
1000.0	10 ± 1.2
3333.0	9 ± 0.9
10000.0	8 ± 0.3
Trial Summary	Negative
Positive Control ²	97 ± 13.3
Positive Control ⁴	

Experiment Number: 483211

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Di(2-ethylhexyl) Phthalate

CAS Number: 117-81-7

Date Report Requested: 09/11/2018

Time Report Requested: 17:10:24

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.6	12 ± 2.6	33 ± 8.2	20 ± 1.7	26 ± 0.7
100.0	17 ± 0.3	14 ± 2.6	37 ± 0.3	25 ± 2.9	27 ± 6.2
333.0	12 ± 2.0	14 ± 1.3	29 ± 2.7	31 ± 1.2	30 ± 3.2
1000.0	14 ± 2.2	17 ± 2.3	28 ± 6.5	30 ± 4.4	34 ± 5.0
3333.0	12 ± 0.0	15 ± 3.3	32 ± 2.5	25 ± 3.7	34 ± 2.5
10000.0	14 ± 1.5	13 ± 3.0	45 ± 2.8	15 ± 3.0	38 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			111 ± 4.4	285 ± 31.7	625 ± 28.7
Positive Control ⁵	108 ± 5.4	266 ± 57.4			

Experiment Number: 483211

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

G06: Ames Summary Data

Test Compound: **Di(2-ethylhexyl) Phthalate**

CAS Number: 117-81-7

Date Report Requested: 09/11/2018

Time Report Requested: 17:10:24

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.3
100.0	24 ± 1.8
333.0	31 ± 0.7
1000.0	24 ± 2.5
3333.0	16 ± 2.1
10000.0	26 ± 0.7
Trial Summary	Negative
Positive Control ²	559 ± 33.3
Positive Control ⁵	

Experiment Number: 483211

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

G06: Ames Summary Data

Test Compound: **Di(2-ethylhexyl) Phthalate**

CAS Number: 117-81-7

Date Report Requested: 09/11/2018

Time Report Requested: 17:10:24

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: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****