

Experiment Number: 177536

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

**G06: Ames Summary Data**

Test Compound: **Di(n-hexyl)phthalate**

CAS Number: **84-75-3**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:05:51**

**NTP Study Number:**

177536

**Study Result:**

Negative

Experiment Number: 177536

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Di(n-hexyl)phthalate

CAS Number: 84-75-3

Date Report Requested: 09/13/2018

Time Report Requested: 18:05:51

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	105 ± 8.4	131 ± 6.5	124 ± 0.7	133 ± 7.2	120 ± 8.1
100.0	104 ± 10.1	114 ± 7.7	96 ± 6.4	138 ± 4.3	123 ± 3.2
333.0	96 ± 9.3	124 ± 4.0	95 ± 6.3	143 ± 5.2	127 ± 2.5
1000.0	101 ± 9.0	119 ± 6.8	100 ± 13.9	130 ± 12.3	115 ± 4.7
3333.0	97 ± 9.6	128 ± 5.2	101 ± 2.9	135 ± 6.4	107 ± 10.4
10000.0	101 ± 9.0	138 ± 11.1	104 ± 6.9	140 ± 0.6	120 ± 13.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1052 ± 31.4
Positive Control <sup>3</sup>			895 ± 23.9	552 ± 23.7	
Positive Control <sup>4</sup>	1022 ± 24.6	933 ± 37.0			

Experiment Number: 177536

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Di(n-hexyl)phthalate

CAS Number: 84-75-3

Date Report Requested: 09/13/2018

Time Report Requested: 18:05:51

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	162 ± 6.1
100.0	163 ± 2.0
333.0	158 ± 7.3
1000.0	157 ± 7.2
3333.0	148 ± 10.6
10000.0	147 ± 3.5
Trial Summary	Negative
Positive Control <sup>2</sup>	688 ± 50.5
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

Experiment Number: 177536

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Di(n-hexyl)phthalate

CAS Number: 84-75-3

Date Report Requested: 09/13/2018

Time Report Requested: 18:05:51

## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	21 ± 0.6	28 ± 0.9	18 ± 3.8	27 ± 2.0	20 ± 1.5
100.0	17 ± 1.7	25 ± 2.4	19 ± 1.7	21 ± 0.9	19 ± 1.5
333.0	16 ± 1.5	25 ± 0.7	19 ± 0.7	23 ± 1.7	20 ± 0.9
1000.0	16 ± 0.3	24 ± 2.6	16 ± 1.0	16 ± 1.3	19 ± 2.3
3333.0	12 ± 1.5	23 ± 3.2	20 ± 0.7	19 ± 1.8	19 ± 0.3
10000.0	15 ± 2.5	22 ± 1.5	14 ± 0.3	15 ± 1.3	15 ± 4.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					105 ± 4.7
Positive Control <sup>3</sup>			101 ± 9.9	89 ± 2.7	
Positive Control <sup>4</sup>	758 ± 27.4	1092 ± 50.8			

Experiment Number: 177536

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

**G06: Ames Summary Data**

Test Compound: Di(n-hexyl)phthalate

CAS Number: 84-75-3

Date Report Requested: 09/13/2018

Time Report Requested: 18:05:51

---

**Strain: TA1535**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	22 ± 2.3
100.0	27 ± 2.6
333.0	26 ± 4.1
1000.0	22 ± 3.3
3333.0	21 ± 3.3
10000.0	15 ± 0.3
Trial Summary	Negative
Positive Control <sup>2</sup>	70 ± 9.2
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

Experiment Number: 177536

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

Test Compound: Di(n-hexyl)phthalate

CAS Number: 84-75-3

Date Report Requested: 09/13/2018

Time Report Requested: 18:05:51

**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	5 ± 1.5	6 ± 2.0	8 ± 1.2	7 ± 0.7	8 ± 2.3
100.0	4 ± 0.6	8 ± 1.7	5 ± 0.9	6 ± 2.0	7 ± 1.5
333.0	5 ± 0.3	11 ± 1.3	5 ± 0.7	5 ± 0.9	9 ± 2.3
1000.0	3 ± 1.3	6 ± 1.0	6 ± 3.8	8 ± 1.0	6 ± 2.3
3333.0	5 ± 2.0	5 ± 0.9	8 ± 0.6	6 ± 0.6	6 ± 2.0
10000.0	6 ± 0.3	9 ± 0.9	6 ± 1.2	5 ± 0.9	5 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					78 ± 4.9
Positive Control <sup>3</sup>			69 ± 7.2	35 ± 4.7	
Positive Control <sup>5</sup>	363 ± 21.6	522 ± 82.1			

Experiment Number: 177536  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Di(n-hexyl)phthalate  
CAS Number: 84-75-3

Date Report Requested: 09/13/2018  
Time Report Requested: 18:05:51

---

Strain: TA1537

---

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	6 ± 2.8
100.0	6 ± 1.9
333.0	6 ± 0.3
1000.0	7 ± 2.1
3333.0	5 ± 2.4
10000.0	6 ± 2.6
Trial Summary	Negative
Positive Control <sup>2</sup>	53 ± 1.2
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

Experiment Number: 177536

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Di(n-hexyl)phthalate

CAS Number: 84-75-3

Date Report Requested: 09/13/2018

Time Report Requested: 18:05:51

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 3.1	22 ± 2.8	24 ± 0.0	30 ± 2.6	30 ± 2.3
100.0	19 ± 1.5	15 ± 2.1	24 ± 3.3	29 ± 2.6	28 ± 6.7
333.0	16 ± 1.7	26 ± 3.2	25 ± 1.0	24 ± 1.5	26 ± 1.0
1000.0	16 ± 0.9	22 ± 1.9	19 ± 1.5	29 ± 4.6	25 ± 1.5
3333.0	16 ± 1.5	18 ± 1.7	24 ± 0.7	25 ± 1.5	32 ± 6.2
10000.0	19 ± 2.9	25 ± 3.7	24 ± 2.7	23 ± 1.8	24 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1110 ± 32.1
Positive Control <sup>3</sup>			826 ± 36.7	281 ± 7.9	
Positive Control <sup>6</sup>	1479 ± 22.5	1191 ± 39.2			



Experiment Number: 177536

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Di(n-hexyl)phthalate

CAS Number: 84-75-3

Date Report Requested: 09/13/2018

Time Report Requested: 18:05:51

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	42 ± 1.5
100.0	33 ± 6.8
333.0	37 ± 6.7
1000.0	37 ± 1.5
3333.0	37 ± 3.0
10000.0	30 ± 5.5
Trial Summary	Negative
Positive Control <sup>2</sup>	450 ± 24.3
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	

Experiment Number: 177536

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

**G06: Ames Summary Data**

Test Compound: **Di(n-hexyl)phthalate**

CAS Number: **84-75-3**

Date Report Requested: **09/13/2018**

Time Report Requested: **18:05:51**

**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: 95% Ethanol

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 \*\***