

Experiment Number: 533548

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

G06: Ames Summary Data

Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

CAS Number: **64532-97-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **23:56:08**

NTP Study Number:

533548

Study Result:

Negative

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	139 ± 12.9	149 ± 11.5	155 ± 4.7	166 ± 8.2	143 ± 4.1
100.0	146 ± 10.2	145 ± 11.3	148 ± 8.9	172 ± 11.1	167 ± 7.1
333.0	152 ± 10.9	156 ± 4.3	148 ± 14.4	168 ± 4.6	160 ± 7.4
1000.0	153 ± 3.4	183 ± 4.5	138 ± 14.9	156 ± 8.0	166 ± 7.3
3333.0	155 ± 9.6 ^P	145 ± 5.7 ^P	159 ± 4.4 ^P	142 ± 10.5 ^P	144 ± 3.5 ^P
10000.0	146 ± 4.6 ^P	151 ± 11.6 ^P	159 ± 3.3 ^P	155 ± 8.5 ^P	142 ± 4.1 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					592 ± 48.5
Positive Control ³			460 ± 21.3		
Positive Control ⁴	286 ± 14.6	335 ± 18.9			
Positive Control ⁵				430 ± 20.2	

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	158 ± 1.7
100.0	155 ± 11.1
333.0	183 ± 13.9
1000.0	166 ± 4.0
3333.0	137 ± 9.0 ^P
10000.0	141 ± 9.1 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	623 ± 37.0
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 2.4	24 ± 2.9	10 ± 1.2	14 ± 4.0	12 ± 1.8
100.0	18 ± 1.5	29 ± 5.5	17 ± 3.5	15 ± 3.7	9 ± 2.1
333.0	25 ± 0.0	34 ± 4.5	8 ± 0.7	10 ± 1.5	11 ± 1.2
1000.0	18 ± 4.1	27 ± 5.7	11 ± 1.5	10 ± 0.9	9 ± 0.0
3333.0	18 ± 1.7 ^P	25 ± 4.1 ^P	10 ± 2.5 ^P	9 ± 0.6 ^P	12 ± 1.7 ^P
10000.0	25 ± 3.8 ^P	23 ± 1.7 ^P	11 ± 1.5 ^P	7 ± 0.3 ^P	10 ± 2.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					269 ± 22.6
Positive Control ⁴	301 ± 19.3	301 ± 18.6			
Positive Control ⁶			165 ± 9.2		
Positive Control ⁷				122 ± 17.9	

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 2.2
100.0	11 ± 0.9
333.0	10 ± 2.0
1000.0	9 ± 2.7
3333.0	5 ± 0.9 ^p
10000.0	6 ± 1.0 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁶	400 ± 31.3
Positive Control ⁷	

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.7	10 ± 2.1	11 ± 1.5
100.0	6 ± 3.6	10 ± 1.2	10 ± 1.5
333.0	5 ± 0.3	12 ± 1.9	10 ± 1.5
1000.0	6 ± 0.9	10 ± 1.5	10 ± 1.2
3333.0	6 ± 0.7 ^P	10 ± 1.7 ^P	10 ± 1.2 ^P
10000.0	4 ± 1.5 ^P	6 ± 2.0 ^P	7 ± 1.3 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ³			46 ± 4.0
Positive Control ⁶		61 ± 0.6	
Positive Control ⁸	392 ± 27.1		

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	139 ± 14.3	152 ± 7.2	194 ± 12.1	206 ± 3.8	204 ± 2.5
10.0					202 ± 9.0
33.0					191 ± 8.7
66.0					226 ± 6.0
100.0	169 ± 3.6	178 ± 11.0	179 ± 12.2	269 ± 0.7	233 ± 1.5
166.0					180 ± 35.2
333.0	166 ± 4.7	170 ± 8.5	208 ± 4.3	215 ± 6.3	
1000.0	179 ± 12.9	185 ± 0.3	199 ± 0.6	198 ± 7.2	
3333.0	130 ± 10.3 ^P	139 ± 12.1 ^P	196 ± 3.4 ^P	204 ± 5.0 ^P	
10000.0	139 ± 8.7 ^P	147 ± 12.3 ^P	183 ± 16.1 ^P	198 ± 2.2 ^P	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²					
Positive Control ³			316 ± 6.7		
Positive Control ⁶				351 ± 12.2	405 ± 13.6
Positive Control ⁸	590 ± 41.3	433 ± 9.6			

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	169 ± 5.4	142 ± 13.3
10.0		
33.0		
66.0		
100.0	91 ± 3.5	200 ± 11.0
166.0		
333.0	161 ± 6.6	210 ± 1.3
1000.0	176 ± 7.5	208 ± 8.5
3333.0	151 ± 12.2 ^p	178 ± 13.0 ^p
10000.0	120 ± 5.3 ^p	184 ± 14.0 ^p
Trial Summary	Negative	Equivocal
Positive Control ²	332 ± 11.3	
Positive Control ³		343 ± 18.3
Positive Control ⁶		
Positive Control ⁸		

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	28 ± 2.9	22 ± 0.9	30 ± 3.4	55 ± 3.8	22 ± 2.2
100.0	21 ± 1.5	23 ± 1.3	47 ± 7.5	43 ± 3.2	31 ± 3.3
333.0	21 ± 2.0	19 ± 4.1	37 ± 4.7	44 ± 2.3	25 ± 2.6
1000.0	22 ± 2.3	19 ± 3.0	36 ± 1.9	42 ± 4.7	25 ± 2.9
3333.0	13 ± 3.0 ^p	18 ± 2.3 ^p	33 ± 3.7 ^p	37 ± 0.7 ^p	27 ± 3.2 ^p
10000.0	23 ± 4.5 ^p	21 ± 1.8 ^p	19 ± 2.0 ^p	36 ± 4.2 ^p	21 ± 0.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					392 ± 31.0
Positive Control ³			193 ± 5.8	108 ± 3.9	
Positive Control ⁹	602 ± 12.0	401 ± 33.4			

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 5.2
100.0	40 ± 0.7
333.0	29 ± 3.4
1000.0	35 ± 3.1
3333.0	23 ± 1.2 ^P
10000.0	22 ± 2.4 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	340 ± 10.9
Positive Control ⁹	

Experiment Number: 533548

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Test Compound: **Nonylphenyl diphenyl phosphate (NPDPP mixed isomers)**

Time Report Requested: 23:56:08

CAS Number: 64532-97-4

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: 2.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 2-Aminoanthracene

7: 5.0 ug/Plate 2-Aminoanthracene

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****