

Experiment Number: 132836

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

G06: Ames Summary Data

Test Compound: **Phenamiphos**

CAS Number: **22224-92-6**

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

Time Report Requested: **07:58:32**

NTP Study Number:

132836

Study Result:

Negative

Experiment Number: 132836

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Phenamiphos

CAS Number: 22224-92-6

Date Report Requested: 09/12/2018

Time Report Requested: 07:58:32

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	84 ± 3.2	102 ± 5.7	84 ± 5.0	116 ± 8.7	79 ± 1.8
3.3	68 ± 4.6	94 ± 6.2			70 ± 3.5
10.0	72 ± 2.0	89 ± 4.6	79 ± 8.2	110 ± 8.7	75 ± 3.8
33.0	78 ± 13.5	97 ± 8.8	77 ± 3.1	109 ± 4.9	75 ± 1.0
100.0	79 ± 2.0 ^s	95 ± 8.9 ^s	75 ± 6.2	104 ± 6.6	70 ± 0.3 ^s
200.0	Toxic	66 ± 6.7 ^s			Toxic
333.0			72 ± 1.9 ^s	107 ± 10.0	
666.0			65 ± 2.1 ^s	95 ± 1.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					535 ± 42.7
Positive Control ³			1103 ± 68.6		
Positive Control ⁴				790 ± 31.9	
Positive Control ⁵	1442 ± 0.9	1913 ± 77.2			

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Time Report Requested: 07:58:32

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	102 ± 6.2
3.3	
10.0	104 ± 6.6
33.0	121 ± 3.2
100.0	109 ± 6.7
200.0	
333.0	121 ± 4.3
666.0	94 ± 3.8 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	953 ± 31.9
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	24 ± 3.5	22 ± 3.0	17 ± 3.2	11 ± 4.0	8 ± 0.3
3.3	20 ± 1.9	25 ± 1.9			11 ± 0.9
10.0	18 ± 2.5	17 ± 0.7	13 ± 3.0	12 ± 0.6	10 ± 2.9
33.0	14 ± 2.0	25 ± 1.5	12 ± 1.2	14 ± 1.5	10 ± 1.0
100.0	18 ± 3.2 ^s	13 ± 2.3 ^s	14 ± 0.9	9 ± 1.5	12 ± 0.9 ^s
200.0	21 ± 0.9 ^s	9 ± 2.6 ^s			11 ± 5.0 ^s
333.0			8 ± 0.9 ^s	12 ± 1.2	
666.0			6 ± 0.7 ^s	10 ± 0.9 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					521 ± 14.1
Positive Control ³			77 ± 10.6		
Positive Control ⁴				67 ± 3.3	
Positive Control ⁵	670 ± 45.5	908 ± 18.3			

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G06: Ames Summary Data
Test Compound: Phenamiphos
CAS Number: 22224-92-6

Date Report Requested: 09/12/2018
Time Report Requested: 07:58:32

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 2.1
3.3	
10.0	9 ± 1.7
33.0	8 ± 2.9
100.0	11 ± 1.7
200.0	
333.0	10 ± 2.0
666.0	8 ± 1.2 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	69 ± 13.0
Positive Control ⁵	

Experiment Number: 132836

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

Test Compound: Phenamiphos

CAS Number: 22224-92-6

Date Report Requested: 09/12/2018

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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	71 ± 4.4	99 ± 5.5	107 ± 7.4	204 ± 3.2	87 ± 2.4
3.3	52 ± 4.4	102 ± 9.6			74 ± 6.5
10.0	69 ± 3.8	82 ± 9.5	91 ± 2.5	234 ± 17.5	79 ± 11.2
33.0	54 ± 8.1	95 ± 9.4	96 ± 10.3	208 ± 13.0	92 ± 2.0
100.0	64 ± 6.7 ^s	109 ± 6.5 ^s	96 ± 12.7	181 ± 6.8	73 ± 2.9 ^s
200.0	53 ± 11.6 ^s	70 ± 5.2 ^s			75 ± 3.8 ^s
333.0			86 ± 4.0 ^s	171 ± 3.8	
666.0			89 ± 3.8 ^s	112 ± 5.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					472 ± 18.9
Positive Control ³			1013 ± 66.8		
Positive Control ⁴				413 ± 26.6	
Positive Control ⁶	320 ± 14.3	507 ± 12.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	211 ± 12.7
3.3	
10.0	195 ± 10.5
33.0	213 ± 5.5
100.0	196 ± 14.9
200.0	
333.0	179 ± 5.2
666.0	119 ± 6.2 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	445 ± 21.4
Positive Control ⁶	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.6	18 ± 3.8	36 ± 0.3	33 ± 2.0	26 ± 3.6
3.3	16 ± 3.5	19 ± 1.2			25 ± 0.3
10.0	15 ± 1.2	14 ± 2.6	31 ± 2.3	26 ± 3.3	29 ± 5.0
33.0	15 ± 2.3	18 ± 0.9	30 ± 6.5	34 ± 2.2	31 ± 3.0
100.0	13 ± 1.2	15 ± 1.2	27 ± 1.5	34 ± 4.4	29 ± 1.2 ^s
200.0	18 ± 0.7	12 ± 1.7			27 ± 1.5 ^s
333.0			28 ± 3.9	36 ± 1.2	
666.0			25 ± 1.3 ^s	29 ± 2.1 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					462 ± 51.5
Positive Control ³			1178 ± 3.5		
Positive Control ⁴				268 ± 11.3	
Positive Control ⁷	1606 ± 73.9	1711 ± 42.8			

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Test Compound: Phenamiphos

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 0.9
3.3	
10.0	30 ± 3.8
33.0	31 ± 1.9
100.0	28 ± 3.5
200.0	
333.0	35 ± 2.3
666.0	24 ± 3.5 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	329 ± 12.2
Positive Control ⁷	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****