

Experiment Number: **079375**

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

G06: Ames Summary Data

Test Compound: **Carvyl acetate**

CAS Number: **97-42-7**

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

Time Report Requested: **01:03:21**

NTP Study Number:

079375

Study Result:

Negative

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Test Compound: Carvyl acetate

CAS Number: 97-42-7

Date Report Requested: 09/11/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	149 ± 4.6	186 ± 5.0	150 ± 15.8	209 ± 24.2	149 ± 3.4
0.3		180 ± 2.5			
1.0	149 ± 3.7	176 ± 6.5			
3.3	156 ± 0.9	175 ± 7.2	133 ± 4.6	194 ± 8.6	161 ± 1.8
10.0	123 ± 14.0	172 ± 7.0	130 ± 1.5	184 ± 11.8	149 ± 6.4
33.0	151 ± 4.2 ^s	176 ± 4.4	135 ± 7.5	181 ± 3.2	155 ± 6.8
100.0	Toxic		130 ± 12.2	192 ± 2.3	158 ± 3.7
333.0			119 ± 7.3 ^s	159 ± 5.1 ^s	143 ± 9.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					618 ± 12.5
Positive Control ³			720 ± 25.8	1289 ± 52.7	
Positive Control ⁴	1556 ± 77.0	1237 ± 32.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	208 ± 7.3
0.3	
1.0	
3.3	206 ± 5.3
10.0	234 ± 7.8
33.0	224 ± 8.4
100.0	232 ± 24.5
333.0	226 ± 11.6 ^s
Trial Summary	Negative
Positive Control ²	1215 ± 26.0
Positive Control ³	
Positive Control ⁴	

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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	36 ± 3.8	10 ± 1.5	22 ± 3.1	14 ± 0.9
0.3		35 ± 1.9			
1.0	24 ± 2.3	24 ± 4.4			
3.3	22 ± 4.5	27 ± 2.1	9 ± 1.5	17 ± 3.2	10 ± 1.0
10.0	23 ± 1.2	24 ± 2.8	9 ± 0.6	18 ± 2.7	10 ± 2.8
33.0	21 ± 3.8 ^s	33 ± 3.2	9 ± 2.9	17 ± 0.6	11 ± 1.7
100.0	Toxic		7 ± 1.2	15 ± 0.9	14 ± 2.7
333.0			5 ± 0.7 ^s	15 ± 2.3 ^s	12 ± 2.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					57 ± 2.9
Positive Control ³			51 ± 2.2	120 ± 1.5	
Positive Control ⁴	1399 ± 15.9	1134 ± 40.1			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 0.9
0.3	
1.0	
3.3	21 ± 2.3
10.0	18 ± 1.8
33.0	18 ± 2.5
100.0	23 ± 1.5
333.0	19 ± 2.6 ^s
Trial Summary	Negative
Positive Control ²	113 ± 2.9
Positive Control ³	
Positive Control ⁴	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 1.9	4 ± 0.0	5 ± 0.9	7 ± 1.3	7 ± 1.5
0.3		8 ± 2.3			
1.0	8 ± 0.3	5 ± 0.3			
3.3	7 ± 0.3	6 ± 0.6	6 ± 1.5	6 ± 0.9	7 ± 0.7
10.0	3 ± 0.3	6 ± 1.3	7 ± 1.0	8 ± 2.7	6 ± 2.1
33.0	5 ± 0.9 ^s	5 ± 1.5	6 ± 1.3	6 ± 1.5	5 ± 1.2
100.0	Toxic		6 ± 1.5	7 ± 0.0	6 ± 2.0
333.0			7 ± 1.7 ^s	4 ± 1.2 ^s	7 ± 0.7 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					41 ± 7.4
Positive Control ³			42 ± 4.4	91 ± 3.5	
Positive Control ⁵	640 ± 17.8	430 ± 29.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5
0.3	
1.0	
3.3	7 ± 2.1
10.0	10 ± 1.7
33.0	9 ± 2.0
100.0	11 ± 1.9
333.0	8 ± 1.2
Trial Summary	Negative
Positive Control ²	112 ± 5.7
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 5.2	21 ± 1.5	21 ± 4.4	27 ± 1.5	31 ± 1.9
0.3		18 ± 2.9			
1.0	22 ± 2.6	22 ± 3.0			
3.3	19 ± 2.7	12 ± 1.5	21 ± 1.5	22 ± 1.7	29 ± 4.0
10.0	25 ± 0.3	17 ± 3.0	31 ± 6.5	21 ± 1.5	36 ± 1.2
33.0	18 ± 2.1 ^s	16 ± 2.0	24 ± 2.6	31 ± 2.3	30 ± 3.1
100.0	Toxic		28 ± 3.8	30 ± 3.7	32 ± 2.3
333.0			21 ± 2.4 ^s	18 ± 1.2 ^s	36 ± 4.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					437 ± 21.8
Positive Control ³			476 ± 9.9	875 ± 9.4	
Positive Control ⁶	1283 ± 13.1	1587 ± 106.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	28 ± 2.7
0.3	
1.0	
3.3	27 ± 5.8
10.0	26 ± 3.5
33.0	30 ± 5.4
100.0	34 ± 4.4
333.0	29 ± 0.6 ^s
Trial Summary	Negative
Positive Control ²	995 ± 57.2
Positive Control ³	
Positive Control ⁶	

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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: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****