

Experiment Number: 731132

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

G06: Ames Summary Data

Test Compound: **Chlorinated paraffins: C12, 60% chlorine**

CAS Number: **108171-26-2**

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

Time Report Requested: **20:11:01**

NTP Study Number:

731132

Study Result:

Negative

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorinated paraffins: C12, 60% chlorine

CAS Number: 108171-26-2

Date Report Requested: 09/12/2018

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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	85 ± 9.3	174 ± 15.8	124 ± 9.2	237 ± 16.8	148 ± 10.6
33.0		152 ± 5.9		226 ± 6.7	
100.0	97 ± 9.9	141 ± 4.5	119 ± 5.6	243 ± 14.2	109 ± 9.5
333.0	103 ± 3.8	143 ± 4.3	136 ± 4.8	240 ± 12.5	125 ± 5.6
1000.0	109 ± 3.2 ^p	158 ± 3.3	141 ± 2.9 ^p	282 ± 26.9	135 ± 7.5 ^p
3333.0	89 ± 2.9 ^p	171 ± 7.0	50 ± 1.0 ^p	349 ± 16.0	49 ± 4.1 ^p
10000.0	9 ± 0.3 ^p		23 ± 2.1 ^p		13 ± 0.9 ^p
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²			897 ± 47.9	1192 ± 128.5	2484 ± 137.8
Positive Control ³	464 ± 39.2	1132 ± 22.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	272 ± 3.0
33.0	245 ± 26.7
100.0	233 ± 29.9
333.0	275 ± 25.5
1000.0	305 ± 28.4
3333.0	302 ± 1.0
10000.0	
Trial Summary	Negative
Positive Control ²	2496 ± 17.5
Positive Control ³	

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Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.9	7 ± 1.9	5 ± 2.4	7 ± 1.2	4 ± 1.2
33.0		5 ± 1.2		8 ± 2.0	
100.0	1 ± 0.3	5 ± 1.5	1 ± 0.3	6 ± 2.6	3 ± 0.6
333.0	2 ± 0.3	6 ± 1.2	8 ± 2.6	8 ± 1.7	2 ± 0.7
1000.0	1 ± 0.3 ^P	5 ± 1.8 ^P	3 ± 0.7 ^P	6 ± 1.2 ^P	3 ± 0.6 ^P
3333.0	1 ± 0.3 ^P	8 ± 3.5 ^P	3 ± 0.6 ^P	5 ± 0.6 ^P	1 ± 0.3 ^P
10000.0	0 ± 0.0 ^P		1 ± 0.3 ^P		0 ± 0.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			58 ± 3.0	72 ± 9.0	79 ± 7.7
Positive Control ³	37 ± 4.5	1452 ± 61.2			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9
33.0	5 ± 2.5
100.0	7 ± 1.5
333.0	4 ± 0.9
1000.0	7 ± 1.7 ^P
3333.0	4 ± 1.5 ^P
10000.0	
Trial Summary	Negative
Positive Control ²	119 ± 12.5
Positive Control ³	

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **Chlorinated paraffins: C12, 60% chlorine**CAS Number: **108171-26-2**Date Report Requested: **09/12/2018**Time Report Requested: **20:11:01****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 ± 0.6	5 ± 1.5	7 ± 1.7	10 ± 1.5	5 ± 3.0
33.0		8 ± 1.9		12 ± 3.8	
100.0	5 ± 2.0	8 ± 1.0	4 ± 0.6	9 ± 3.0	3 ± 0.7
333.0	8 ± 2.3	10 ± 2.7	3 ± 0.3	10 ± 3.8	10 ± 2.7
1000.0	1 ± 0.3 ^p	6 ± 2.3 ^p	4 ± 0.3 ^p	11 ± 2.9 ^p	7 ± 2.1
3333.0	1 ± 0.3 ^p	7 ± 2.6 ^p	2 ± 0.9 ^p	8 ± 2.3 ^p	3 ± 0.7 ^p
10000.0	0 ± 0.0 ^p		1 ± 0.3 ^p		0 ± 0.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			52 ± 1.5	77 ± 9.5	371 ± 12.7
Positive Control ⁴	240 ± 62.7	1648 ± 157.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 3.0
33.0	13 ± 1.0
100.0	8 ± 3.4
333.0	14 ± 2.7
1000.0	9 ± 2.3 ^p
3333.0	12 ± 3.5 ^p
10000.0	
Trial Summary	Negative
Positive Control ²	266 ± 10.1
Positive Control ⁴	

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Date Report Requested: 09/12/2018

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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	14 ± 2.7	19 ± 2.6	24 ± 1.8	28 ± 4.2	21 ± 2.6
33.0		24 ± 3.1		25 ± 0.3	
100.0	15 ± 1.0	24 ± 3.7	20 ± 0.0	27 ± 2.3	21 ± 1.5
333.0	13 ± 0.9	23 ± 3.2	27 ± 3.5	33 ± 2.2	26 ± 1.2
1000.0	17 ± 1.9 ^P	23 ± 1.5	29 ± 5.4 ^P	30 ± 2.7	21 ± 1.9 ^P
3333.0	9 ± 2.1 ^P	22 ± 5.5	12 ± 0.6 ^P	22 ± 3.8	11 ± 0.7 ^P
10000.0	2 ± 0.3 ^P		2 ± 0.9 ^P		2 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			524 ± 21.5	720 ± 36.3	2155 ± 84.2
Positive Control ⁵	370 ± 27.4	391 ± 46.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 3.2
33.0	30 ± 2.4
100.0	25 ± 1.9
333.0	26 ± 4.0
1000.0	23 ± 4.0
3333.0	26 ± 6.9
10000.0	
Trial Summary	Negative
Positive Control ²	2237 ± 261.1
Positive Control ⁵	

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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: 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

p: Precipitate

**** END OF REPORT ****