

Experiment Number: 320987

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Coco amides

CAS Number: 8051-30-7

Date Report Requested: 09/12/2018

Time Report Requested: 10:00:48

NTP Study Number:

320987

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	95 ± 1.3	121 ± 4.4	99 ± 2.8	140 ± 8.7	114 ± 6.3
0.3	109 ± 6.7	105 ± 5.5			
1.0	92 ± 3.5	106 ± 4.5			
3.0	98 ± 5.8	95 ± 2.4			
10.0	89 ± 3.3	110 ± 7.5	104 ± 3.1	153 ± 8.9	118 ± 3.3
33.0	71 ± 2.5	75 ± 6.5	101 ± 1.5	134 ± 6.2	103 ± 2.8
100.0			107 ± 10.3	124 ± 4.5	105 ± 3.8
333.0			74 ± 17.1	110 ± 7.5	84 ± 1.8
1000.0			0 ± 0.0 ^x	25 ± 5.7	0 ± 0.0 ^x
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					591 ± 37.5
Positive Control ³			321 ± 17.9		
Positive Control ⁴				378 ± 29.9	
Positive Control ⁵	509 ± 33.7	966 ± 60.6			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	122 ± 9.6
0.3	
1.0	
3.0	
10.0	111 ± 5.5
33.0	108 ± 2.7
100.0	123 ± 3.8
333.0	120 ± 5.1
1000.0	68 ± 4.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	442 ± 20.0
Positive Control ⁴	
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	14 ± 1.2	9 ± 0.9	12 ± 1.5	18 ± 0.3	12 ± 0.6
0.3	13 ± 1.3	9 ± 1.2			
1.0	17 ± 1.2	8 ± 0.7			
3.0	18 ± 1.2	11 ± 0.7			
10.0	14 ± 1.2	11 ± 1.8	12 ± 1.2	17 ± 2.5	10 ± 1.8
30.0				17 ± 1.5	
33.0	16 ± 1.5	8 ± 2.2	11 ± 0.7		10 ± 1.2
100.0			9 ± 1.2	20 ± 2.2	9 ± 0.3
333.0			11 ± 1.8	17 ± 2.3	9 ± 0.7
1000.0			2 ± 0.3 ^s	6 ± 1.2	1 ± 0.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					99 ± 11.6
Positive Control ⁴			127 ± 18.7		
Positive Control ⁵	681 ± 18.8	782 ± 29.8			
Positive Control ⁶				149 ± 3.8	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.8
0.3	
1.0	
3.0	
10.0	13 ± 1.5
30.0	13 ± 1.8
33.0	
100.0	16 ± 1.5
333.0	15 ± 0.7
1000.0	8 ± 1.2
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	271 ± 20.1
Positive Control ⁵	
Positive Control ⁶	

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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	123 ± 3.0	113 ± 1.8	150 ± 6.1	154 ± 2.1	122 ± 3.2
0.3	123 ± 4.9	116 ± 4.7			
1.0	132 ± 1.8	121 ± 9.6			
3.0	130 ± 4.8	117 ± 0.3			
10.0	122 ± 1.5	117 ± 5.8	142 ± 6.4	150 ± 7.6	125 ± 7.5
33.0	122 ± 3.2	96 ± 7.1	158 ± 12.9	157 ± 12.7	123 ± 3.2
100.0			144 ± 11.3	156 ± 8.0	106 ± 12.8
333.0			151 ± 2.4	154 ± 5.7	126 ± 2.7
1000.0			38 ± 3.2	117 ± 1.5	23 ± 3.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					545 ± 11.6
Positive Control ³			369 ± 11.1		
Positive Control ⁴				311 ± 3.8	
Positive Control ⁷	322 ± 14.3	331 ± 37.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	139 ± 8.0
0.3	
1.0	
3.0	
10.0	157 ± 4.2
33.0	145 ± 11.9
100.0	166 ± 2.4
333.0	156 ± 8.5
1000.0	116 ± 6.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	259 ± 6.1
Positive Control ⁴	
Positive Control ⁷	

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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	22 ± 2.5	18 ± 1.0	19 ± 1.3	26 ± 0.6	18 ± 2.0
0.0					3 ± 0.0
0.3	21 ± 4.3	18 ± 2.8			
1.0	15 ± 1.2	17 ± 1.8			
3.0	20 ± 2.6	13 ± 1.8			
10.0	17 ± 1.5	17 ± 0.7	18 ± 2.2	24 ± 1.9	17 ± 1.7
33.0	17 ± 2.1	15 ± 3.6	16 ± 3.2	21 ± 2.8	17 ± 0.7
100.0			17 ± 1.5	18 ± 2.3	18 ± 2.3
333.0			19 ± 0.9	23 ± 2.7	18 ± 1.2
1000.0			7 ± 0.3	19 ± 3.5	9 ± 4.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					529 ± 5.3
Positive Control ³			243 ± 8.9	164 ± 13.9	
Positive Control ⁸	348 ± 13.9	337 ± 10.8			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 3.4
0.0	
0.3	
1.0	
3.0	
10.0	23 ± 2.2
33.0	23 ± 3.3
100.0	27 ± 3.2
333.0	24 ± 5.0
1000.0	23 ± 3.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	227 ± 2.9
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

** END OF REPORT **