

Experiment Number: 945354

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Pigment red 3

CAS Number: 2425-85-6

Date Report Requested: 09/17/2018

Time Report Requested: 16:31:51

NTP Study Number:

945354

Study Result:

Positive

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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	137 ± 10.1	124 ± 22.8	128 ± 5.7	136 ± 6.3	136 ± 6.6
33.0	139 ± 14.9		142 ± 6.1		149 ± 4.3
100.0	130 ± 4.4	127 ± 10.3	140 ± 4.3	149 ± 6.9	164 ± 11.0
333.0	130 ± 8.4	123 ± 6.6	169 ± 4.4	160 ± 29.5	190 ± 7.7
1000.0	130 ± 10.5 ^P	126 ± 18.5 ^P	164 ± 6.5 ^P	143 ± 25.0 ^P	260 ± 11.1 ^P
2500.0		115 ± 23.8 ^P		160 ± 2.2 ^P	
3333.0	141 ± 1.5 ^P	130 ± 5.0 ^P	154 ± 4.2 ^P	175 ± 6.7 ^P	295 ± 1.5 ^P
Trial Summary	Negative	Negative	Equivocal	Equivocal	Positive
Positive Control ²					1366 ± 49.9
Positive Control ³			892 ± 153.5	806 ± 105.6	
Positive Control ⁴	836 ± 20.9	656 ± 208.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	143 ± 9.5
33.0	
100.0	154 ± 2.0
333.0	194 ± 5.2
1000.0	247 ± 6.1 ^P
2500.0	245 ± 25.1 ^P
3333.0	255 ± 9.4 ^P
Trial Summary	Weakly Positive
Positive Control ²	1021 ± 178.0
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	33 ± 3.5	17 ± 2.3	11 ± 2.3
33.0	29 ± 3.2	17 ± 1.5	14 ± 3.0
100.0	32 ± 3.5	16 ± 2.1	15 ± 1.5
333.0	25 ± 4.2	14 ± 2.9	17 ± 2.6
1000.0	35 ± 0.6 ^P	17 ± 2.7 ^P	12 ± 1.5 ^P
3333.0	32 ± 4.2 ^P	13 ± 2.4 ^P	15 ± 1.5 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ²			74 ± 0.7
Positive Control ³		73 ± 3.5	
Positive Control ⁴	714 ± 21.7		

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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	10 ± 0.9	5 ± 1.3	10 ± 0.7	19 ± 3.8	7 ± 1.2
33.0	6 ± 1.3		8 ± 2.0		12 ± 0.6
100.0	8 ± 2.0	4 ± 0.3	11 ± 3.0	12 ± 2.3	14 ± 1.7
333.0	6 ± 1.2	5 ± 0.7	9 ± 1.2	15 ± 2.6	13 ± 3.5
1000.0	7 ± 0.7 ^P	7 ± 1.7 ^P	11 ± 1.5 ^P	13 ± 2.1 ^P	13 ± 2.7 ^P
2500.0		8 ± 2.0 ^P		15 ± 1.7 ^P	
3333.0	6 ± 1.5 ^P	9 ± 0.9 ^P	13 ± 5.5 ^P	10 ± 3.2 ^P	22 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²					147 ± 13.9
Positive Control ³			66 ± 15.2	60 ± 8.5	
Positive Control ⁵	344 ± 23.5	181 ± 13.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 3.3
33.0	
100.0	12 ± 3.3
333.0	11 ± 1.2
1000.0	17 ± 2.6 ^p
2500.0	14 ± 3.1 ^p
3333.0	18 ± 3.4 ^p
Trial Summary	Negative
Positive Control ²	50 ± 1.8
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	12 ± 2.7	16 ± 3.4	28 ± 1.3	25 ± 3.7	32 ± 4.7
33.0	17 ± 0.6		32 ± 4.5		36 ± 2.7
100.0	21 ± 1.2	23 ± 2.7	29 ± 4.0	32 ± 0.3	33 ± 2.9
333.0	18 ± 0.6	19 ± 2.0	31 ± 4.3	30 ± 1.5	44 ± 4.7
1000.0	23 ± 0.9 ^P	20 ± 1.5 ^P	27 ± 3.8 ^P	36 ± 4.3 ^P	47 ± 2.5 ^P
2500.0		22 ± 1.5 ^P		40 ± 1.2 ^P	
3333.0	26 ± 2.5 ^P	25 ± 6.7 ^P	38 ± 1.5 ^P	40 ± 3.6 ^P	62 ± 4.2 ^P
Trial Summary	Weakly Positive	Negative	Negative	Negative	Weakly Positive
Positive Control ²					1484 ± 47.9
Positive Control ³			936 ± 29.2	831 ± 20.5	
Positive Control ⁶	1279 ± 21.5	1430 ± 72.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	28 ± 3.3
33.0	
100.0	29 ± 3.3
333.0	42 ± 5.2
1000.0	45 ± 4.8 ^P
2500.0	59 ± 6.1 ^P
3333.0	60 ± 8.5 ^P
Trial Summary	Positive
Positive Control ²	1241 ± 88.1
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

p: Precipitate

** END OF REPORT **