

Experiment Number: **843985**

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

G06: Ames Summary Data

Test Compound: **C.I. Vat brown 3**

CAS Number: **131-92-0**

Date Report Requested: **09/16/2018**

Time Report Requested: **00:52:41**

NTP Study Number:

843985

Study Result:

Negative

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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	111 ± 6.8	103 ± 7.5	127 ± 9.8	110 ± 9.5	104 ± 9.5
100.0	116 ± 9.1	87 ± 10.8	98 ± 10.2	71 ± 28.2	103 ± 8.5
333.0	94 ± 9.9	84 ± 2.7	110 ± 5.2	84 ± 25.8	115 ± 11.3
1000.0	98 ± 14.8	95 ± 3.8	136 ± 3.5	88 ± 26.0	134 ± 5.2
3333.0	109 ± 4.1	79 ± 2.6	111 ± 7.7	73 ± 28.5	125 ± 6.6
10000.0	111 ± 13.0	70 ± 6.7	88 ± 3.7	54 ± 19.3	117 ± 12.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	287 ± 7.3	288 ± 2.0			
Positive Control ³			1456 ± 35.4	491 ± 19.1	1526 ± 39.4

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	115 ± 7.9
100.0	87 ± 6.7
333.0	94 ± 1.2
1000.0	108 ± 3.2
3333.0	101 ± 11.6
10000.0	79 ± 3.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1071 ± 51.0

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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	31 ± 1.0	19 ± 2.9	10 ± 2.7	6 ± 0.0	6 ± 0.3
100.0	19 ± 3.0	14 ± 0.6	8 ± 2.3	8 ± 0.3	8 ± 3.8
333.0	22 ± 4.4	16 ± 0.9	8 ± 0.6	6 ± 0.3	8 ± 0.3
1000.0	28 ± 1.2	17 ± 1.0	7 ± 0.7	7 ± 0.3	9 ± 1.5
3333.0	32 ± 2.0	28 ± 2.6	8 ± 2.7	8 ± 1.3	8 ± 0.6
10000.0	26 ± 3.2	16 ± 2.2	10 ± 1.9	10 ± 1.9	10 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	327 ± 8.2	282 ± 15.0			
Positive Control ⁴			444 ± 25.2	136 ± 10.9	512 ± 24.7

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.7
100.0	7 ± 2.3
333.0	11 ± 1.5
1000.0	11 ± 2.8
3333.0	10 ± 2.0
10000.0	4 ± 2.0
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	331 ± 20.1

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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	5 ± 0.3	4 ± 1.3	7 ± 0.9	8 ± 0.9	6 ± 0.6
100.0	6 ± 1.3	7 ± 1.2	6 ± 2.3	8 ± 2.2	7 ± 0.6
333.0	6 ± 0.6	5 ± 0.6	7 ± 1.5	10 ± 1.5	8 ± 1.5
1000.0	7 ± 0.6	4 ± 0.0	9 ± 1.3	12 ± 1.3	7 ± 1.2
3333.0	7 ± 0.3	6 ± 1.2	9 ± 0.0	10 ± 1.2	8 ± 1.2
10000.0	6 ± 0.0	7 ± 1.2	7 ± 1.5	5 ± 1.5	6 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			423 ± 21.2	141 ± 12.3	473 ± 6.7
Positive Control ⁵	161 ± 18.4	178 ± 49.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.0
100.0	8 ± 2.6
333.0	7 ± 0.7
1000.0	7 ± 2.2
3333.0	8 ± 0.3
10000.0	5 ± 1.8
Trial Summary	Negative
Positive Control ⁴	224 ± 47.5
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	14 ± 1.9	15 ± 0.6	27 ± 3.5	20 ± 1.9	25 ± 2.9
100.0	15 ± 1.5	15 ± 1.2	22 ± 5.7	30 ± 7.5	26 ± 3.6
333.0	19 ± 3.5	17 ± 0.7	26 ± 5.5	33 ± 3.5	30 ± 2.5
1000.0	16 ± 0.3	20 ± 2.3	34 ± 3.6	34 ± 2.7	32 ± 3.2
3333.0	19 ± 0.7	16 ± 1.8	24 ± 2.0	21 ± 1.8	29 ± 1.8
10000.0	13 ± 1.0	15 ± 1.2	21 ± 5.5	18 ± 3.9	26 ± 5.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			1195 ± 37.4	465 ± 14.7	1364 ± 70.3
Positive Control ⁶	340 ± 20.0	300 ± 21.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 4.6
100.0	30 ± 3.8
333.0	29 ± 2.3
1000.0	36 ± 4.4
3333.0	26 ± 3.5
10000.0	14 ± 3.0
Trial Summary	Negative
Positive Control ³	926 ± 57.1
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: Water

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****