

Experiment Number: 916554

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Basic violet 14

CAS Number: 632-99-5

Date Report Requested: 09/17/2018

Time Report Requested: 02:31:46

NTP Study Number:

916554

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% Rat S9
Vehicle Control ¹	94 ± 2.3	106 ± 14.2	110 ± 23.7	165 ± 5.4	135 ± 9.8
0.1	98 ± 1.2	108 ± 2.0			
0.16		122 ± 15.6			
0.3	108 ± 3.7				
0.33		133 ± 4.3			
0.67		130 ± 10.4			
1.0	112 ± 2.0	100 ± 13.3			
3.3	104 ± 2.3				
10.0	96 ± 2.4		130 ± 29.2	153 ± 5.5	194 ± 9.5
33.0			170 ± 9.5	177 ± 11.0	247 ± 17.7
100.0			174 ± 13.6 ^P	198 ± 13.0 ^P	368 ± 23.1 ^P
333.0			193 ± 7.9 ^P	290 ± 4.8 ^P	592 ± 10.7 ^P
1000.0			164 ± 0.5 ^P	422 ± 68.2 ^P	Toxic
Trial Summary	Negative	Equivocal	Weakly Positive	Positive	Positive
Positive Control ²			2356 ± 381.3	1133 ± 100.6	1387 ± 70.3
Positive Control ³	1406 ± 35.8	1394 ± 62.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	107 ± 11.0	155 ± 9.6
0.1		
0.16		
0.3		
0.33		
0.67		
1.0		
3.3		173 ± 5.6
10.0	176 ± 25.5	177 ± 6.3
33.0	246 ± 7.1	186 ± 4.5
100.0	525 ± 32.0 ^P	271 ± 16.1 ^P
333.0	576 ± 16.0 ^P	364 ± 16.2 ^P
1000.0	Toxic	
Trial Summary	Positive	Positive
Positive Control ²	2677 ± 145.0	1503 ± 99.9
Positive Control ³		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.4	12 ± 2.3	9 ± 2.1	9 ± 0.6	5 ± 0.7
0.03	13 ± 1.9				
0.1	22 ± 2.6				
0.3	18 ± 3.2				
1.0	15 ± 0.6				
3.3	11 ± 3.1		19 ± 3.2	9 ± 1.2	
10.0		11 ± 1.2	14 ± 0.6	9 ± 1.8	8 ± 2.7
33.0		6 ± 1.0	13 ± 0.3	16 ± 0.9	5 ± 0.3
100.0		6 ± 0.3	15 ± 3.7 ^P	14 ± 1.9 ^P	7 ± 1.2
333.0		Toxic	25 ± 10.0 ^P	12 ± 3.2 ^P	Toxic
1000.0		Toxic			Toxic
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ⁴		175 ± 16.5	260 ± 35.0	213 ± 89.3	148 ± 12.8
Positive Control ³	978 ± 54.8				

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.9
0.03	
0.1	
0.3	
1.0	
3.3	12 ± 1.0
10.0	16 ± 0.9
33.0	16 ± 1.8
100.0	15 ± 1.0 ^P
333.0	24 ± 2.5 ^P
1000.0	
Trial Summary	Negative
Positive Control ⁴	396 ± 22.5
Positive Control ³	

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Test Compound: C.I. Basic violet 14

CAS Number: 632-99-5

Date Report Requested: 09/17/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.9	14 ± 2.2	17 ± 2.0
0.1	9 ± 1.5		
0.3	6 ± 1.5	16 ± 1.5	11 ± 1.7
1.0	8 ± 1.3	20 ± 1.5	15 ± 3.7
3.3	6 ± 1.5	12 ± 2.5	15 ± 5.2
10.0	Toxic	13 ± 3.7	15 ± 2.3
33.0		17 ± 2.6	15 ± 1.7
100.0			
333.0			
1000.0			
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		108 ± 11.7	111 ± 14.3
Positive Control ⁵	565 ± 61.6		

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Test Type: Genetic Toxicology - Bacterial
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Test Compound: C.I. Basic violet 14

CAS Number: 632-99-5

Date Report Requested: 09/17/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	26 ± 3.2	22 ± 2.1	39 ± 2.1	17 ± 3.1	37 ± 4.8
0.3	23 ± 1.3				
1.0	17 ± 2.9				
3.3	18 ± 2.1				
10.0	31 ± 1.7	27 ± 3.7	34 ± 6.8	21 ± 4.9	33 ± 5.8
33.0	30 ± 0.6	39 ± 1.2 ^P	39 ± 4.6	33 ± 5.2 ^P	50 ± 5.7
100.0		42 ± 5.5 ^P	67 ± 7.4 ^P	33 ± 6.7 ^P	73 ± 1.9 ^P
333.0		36 ± 2.1 ^P	96 ± 4.5 ^P	53 ± 0.6 ^P	129 ± 1.5 ^P
1000.0		62 ± 5.7 ^P	146 ± 16.9 ^P	107 ± 14.5 ^P	227 ± 21.1 ^P
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		1444 ± 109.9	1136 ± 86.9	646 ± 23.4	872 ± 70.1
Positive Control ⁶	201 ± 5.8				

Experiment Number: 916554

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

G06: Ames Summary Data

Test Compound: **C.I. Basic violet 14**

CAS Number: **632-99-5**

Date Report Requested: **09/17/2018**

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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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****