Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

NTP Study Number: A11959

Study Result: Negative

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	144 ± 2.8	145 ± 5.5	145 ± 4.0	132 ± 3.0	136 ± 7.4
100.0	143 ± 7.9[p]	148 ± 7.6[p]	168 ± 6.9[p]	138 ± 4.8[p]	187 ± 0.6[p]
333.0	140 ± 1.0[p]	141 ± 18.6[p]	164 ± 3.5[p]	138 ± 0.3[p]	165 ± 10.7[p]
1000.0	140 ± 6.7[p]	155 ± 5.0[p]	159 ± 11.8[p]	138 ± 6.8[p]	180 ± 4.2[p]
3333.0	138 ± 4.9[p]	126 ± 3.1[p]	149 ± 2.5[p]	121 ± 5.0[p]	155 ± 2.9[p]
10000.0	135 ± 8.0[p]	146 ± 5.8[p]	164 ± 6.7[p]	125 ± 2.8[p]	167 ± 3.1[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1168 ± 41.1
Positive Control[3]			960 ± 72.9		
Positive Control[4]	920 ± 15.6	968 ± 36.8			
Positive Control[5]				560 ± 57.4	

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	126 ± 3.9
100.0	128 ± 0.3[p]
333.0	125 ± 9.1[p]
1000.0	132 ± 8.9[p]
3333.0	134 ± 3.2[p]
10000.0	128 ± 1.5[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	596 ± 11.0
Positive Control[4]	
Positive Control[5]	

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 1.5	15 ± 0.7	13 ± 0.3	9 ± 1.7	11 ± 1.2
100.0	12 ± 3.0[p]	11 ± 3.1[p]	7 ± 1.9[p]	9 ± 0.6[p]	8 ± 1.5[p]
333.0	6 ± 1.0[p]	15 ± 1.2[p]	11 ± 1.5[p]	10 ± 2.3[p]	7 ± 1.0[p]
1000.0	7 ± 0.7[p]	12 ± 1.2[p]	9 ± 1.5[p]	11 ± 0.9[p]	7 ± 1.3[p]
3333.0	9 ± 1.5[p]	9 ± 1.8[p]	11 ± 3.2[p]	12 ± 1.2[p]	7 ± 1.5[p]
10000.0	9 ± 1.0[p]	15 ± 1.3[p]	12 ± 2.2[p]	8 ± 0.7[p]	11 ± 1.2[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					227 ± 16.4
Positive Control[4]	857 ± 37.8	871 ± 5.6			
Positive Control[5]			156 ± 10.8		
Positive Control[6]				168 ± 7.8	

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	11 ± 1.8
100.0	10 ± 2.1[p]
333.0	11 ± 1.8[p]
1000.0	9 ± 0.7[p]
3333.0	10 ± 3.2[p]
10000.0	7 ± 0.7[p]
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	291 ± 22.3
Positive Control[6]	

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	169 ± 5.7	133 ± 3.2	181 ± 4.0	202 ± 11.9	164 ± 14.0
100.0	162 ± 7.2[p]	176 ± 5.2[p]	209 ± 4.3[p]	187 ± 1.3[p]	206 ± 0.6[p]
333.0	170 ± 4.5[p]	156 ± 6.7[p]	198 ± 7.0[p]	172 ± 12.5[p]	202 ± 6.7[p]
1000.0	165 ± 4.9[p]	174 ± 8.7[p]	180 ± 11.4[p]	174 ± 14.2[p]	188 ± 4.0[p]
3333.0	163 ± 3.2[p]	168 ± 6.8[p]	186 ± 10.8[p]	175 ± 15.2[p]	200 ± 9.0[p]
10000.0	169 ± 9.6[p]	143 ± 16.2[p]	182 ± 17.6[p]	187 ± 2.4[p]	190 ± 2.7[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					978 ± 41.2
Positive Control[3]			768 ± 27.2		
Positive Control[5]				434 ± 24.8	
Positive Control[7]	467 ± 34.3	465 ± 31.4			

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	178 ± 5.8
100.0	192 ± 9.6[p]
333.0	186 ± 14.9[p]
1000.0	178 ± 7.5[p]
3333.0	173 ± 12.5[p]
10000.0	164 ± 6.2[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	561 ± 123.0
Positive Control[5]	
Positive Control[7]	

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 1.8	27 ± 0.6	28 ± 1.8	26 ± 2.5	26 ± 2.8
100.0	21 ± 1.7[p]	26 ± 2.5[p]	25 ± 6.4[p]	20 ± 0.7[p]	25 ± 1.2[p]
333.0	24 ± 2.6[p]	30 ± 1.8[p]	26 ± 3.8[p]	24 ± 0.6[p]	23 ± 3.9[p]
1000.0	20 ± 1.0[p]	25 ± 4.6[p]	18 ± 8.1[p]	28 ± 1.8[p]	27 ± 0.6[p]
3333.0	22 ± 1.5[p]	23 ± 1.3[p]	25 ± 0.9[p]	27 ± 3.9[p]	22 ± 1.8[p]
10000.0	17 ± 2.3[p]	16 ± 2.4[p]	23 ± 1.7[p]	23 ± 3.2[p]	22 ± 3.5[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1153 ± 14.5
Positive Control[3]			835 ± 22.3		
Positive Control[8]	386 ± 38.6	992 ± 41.7			
Positive Control[5]				390 ± 9.8	

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	21 ± 3.5
100.0	21 ± 3.3[p]
333.0	23 ± 1.0[p]
1000.0	22 ± 1.9[p]
3333.0	21 ± 3.7[p]
10000.0	20 ± 4.5[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	449 ± 20.5
Positive Control[8]	
Positive Control[5]	

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	166 ± 13.5	224 ± 16.2	284 ± 18.6	261 ± 13.1	308 ± 11.3
100.0	184 ± 7.0[p]	221 ± 33.7[p]	275 ± 24.5[p]	219 ± 18.0[p]	280 ± 10.3[p]
333.0	176 ± 9.5[p]	239 ± 28.5[p]	284 ± 15.1[p]	224 ± 27.3[p]	288 ± 20.6[p]
1000.0	169 ± 18.2[p]	234 ± 21.3[p]	259 ± 5.2[p]	233 ± 25.8[p]	275 ± 28.8[p]
3333.0	185 ± 9.2[p]	247 ± 26.1[p]	234 ± 13.4[p]	264 ± 3.9[p]	275 ± 27.6[p]
10000.0	176 ± 6.1[p]	204 ± 14.4[p]	282 ± 18.1[p]	267 ± 34.4[p]	235 ± 16.0[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[9]	768 ± 14.7	690 ± 27.2			
Positive Control[6]			808 ± 41.4		838 ± 25.0
Positive Control[10]				1161 ± 67.8	

Experiment Number: **A11959**

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

G06: Ames Summary Data

Test Compound: **D & C violet no. 2**

CAS Number: **81-48-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **20:50:52**

Strain: TA102

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	263 ± 11.2
100.0	233 ± 9.4[p]
333.0	244 ± 1.3[p]
1000.0	238 ± 30.7[p]
3333.0	256 ± 18.2[p]
10000.0	249 ± 22.3[p]
Trial Summary	Negative
Positive Control[9]	
Positive Control[6]	
Positive Control[10]	1514 ± 140.6

LEGEND

Values given as Mean or Mean ± 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: 2.0 ug/Plate 2-Aminoanthracene
4: 5.0 ug/Plate Sodium Azide
5: 5.0 ug/Plate 2-Aminoanthracene
6: 10.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
9: 0.5 ug/Plate Mitomycin-C
10: 20.0 ug/Plate 2-Aminoanthracene
p: Precipitate

** END OF REPORT **