NTP Study Number: 546232

Study Result: Positive

Experiment Number: **546232**

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

G06: Ames Summary Data

Test Compound: **C.I. Disperse red 60**

CAS Number: **17418-58-5**

Date Report Requested: **09/13/2018**

Time Report Requested: **17:23:18**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 5% Rat S9	With 5% Rat S9
Vehicle Control[1]	93 ± 2.7	110 ± 5.0	133 ± 15.5	166 ± 13.0	109 ± 11.2
100.0	128 ± 9.7		129 ± 3.6		116 ± 6.6
333.0	128 ± 4.5	126 ± 14.1	159 ± 16.8	185 ± 10.0	131 ± 5.2
1000.0	170 ± 7.7	171 ± 1.0	171 ± 9.0	214 ± 9.8	127 ± 11.6
1666.0		229 ± 5.4			
3333.0	249 ± 6.1	271 ± 17.6	192 ± 14.2	188 ± 3.8	131 ± 5.3
6666.0				205 ± 5.7[p]	
10000.0	163 ± 81.7	248 ± 17.0	243 ± 12.2	263 ± 52.6[p]	155 ± 5.9
Trial Summary	Positive	Positive	Weakly Positive	Weakly Positive	Equivocal
Positive Control[2]					
Positive Control[3]			879 ± 49.5	773 ± 28.1	544 ± 14.8
Positive Control[4]	408 ± 17.6	387 ± 7.4			
Positive Control[5]					

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	122 ± 4.6	136 ± 7.8	98 ± 10.7	138 ± 1.9	141 ± 17.3
100.0	139 ± 3.4	139 ± 13.1	112 ± 7.0	166 ± 2.9	134 ± 10.3
333.0	164 ± 9.7	177 ± 8.2	137 ± 6.7	143 ± 2.7	125 ± 8.8
1000.0	197 ± 12.7	185 ± 6.2	161 ± 8.5	201 ± 25.2	107 ± 5.5
1666.0					
3333.0	228 ± 17.1	163 ± 8.1	189 ± 17.0	218 ± 10.8	111 ± 11.0
6666.0					
10000.0	264 ± 10.6	197 ± 13.2	173 ± 9.0	153 ± 77.3	247 ± 9.3
Trial Summary	Positive	Equivocal	Weakly Positive	Weakly Positive	Equivocal
Positive Control[2]					
Positive Control[3]	574 ± 10.7	479 ± 26.3	403 ± 20.9		
Positive Control[4]					
Positive Control[5]				494 ± 21.1	480 ± 17.0

Experiment Number: **546232**

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

G06: Ames Summary Data

Test Compound: **C.I. Disperse red 60**

CAS Number: **17418-58-5**

Date Report Requested: **09/13/2018**

Time Report Requested: **17:23:18**

Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 5% Hamster S9	With 5% Hamster S9
Vehicle Control[1]	153 ± 16.1	134 ± 1.5	134 ± 1.3	155 ± 3.5	121 ± 4.8
100.0		143 ± 3.8	144 ± 2.5		131 ± 1.7
333.0	190 ± 2.9	157 ± 2.7	179 ± 6.6	170 ± 3.8	143 ± 8.7
1000.0	244 ± 6.2	154 ± 14.2	189 ± 1.5	176 ± 3.4	171 ± 9.7
1666.0					
3333.0	232 ± 9.4	184 ± 3.8	209 ± 15.0	177 ± 9.8	141 ± 9.5
6666.0	236 ± 3.5[p]			180 ± 22.1[p]	
10000.0	259 ± 17.1[p]	172 ± 6.7	239 ± 7.0	265 ± 23.6[p]	190 ± 5.9
Trial Summary	Equivocal	Equivocal	Weakly Positive	Equivocal	Equivocal
Positive Control[2]			1030 ± 29.2	1124 ± 21.1	828 ± 35.4
Positive Control[3]					
Positive Control[4]					
Positive Control[5]	512 ± 15.4	437 ± 19.1			

Experiment Number: **546232**

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

G06: Ames Summary Data

Test Compound: **C.I. Disperse red 60**

CAS Number: **17418-58-5**

Date Report Requested: **09/13/2018**

Time Report Requested: **17:23:18**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	124 ± 5.8	122 ± 14.5	123 ± 13.1	132 ± 17.3	128 ± 19.6
100.0	151 ± 5.3	134 ± 11.1	128 ± 8.5	141 ± 4.5	135 ± 5.1
333.0	192 ± 5.7	148 ± 8.4	119 ± 7.2	160 ± 12.4	135 ± 5.8
1000.0	172 ± 12.9	138 ± 7.8	138 ± 21.2	201 ± 11.9	169 ± 9.1
1666.0					
3333.0	193 ± 5.5	135 ± 17.8	159 ± 14.1	218 ± 30.3	164 ± 8.4
6666.0					
10000.0	217 ± 21.4	147 ± 27.0	109 ± 54.6	205 ± 14.9	228 ± 9.7
Trial Summary	Weakly Positive	Negative	Equivocal	Weakly Positive	Weakly Positive
Positive Control[2]	680 ± 18.2	548 ± 19.0		630 ± 22.4	
Positive Control[3]			457 ± 16.5		586 ± 28.6
Positive Control[4]					
Positive Control[5]					

Experiment Number: **546232**

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

G06: Ames Summary Data

Test Compound: **C.I. Disperse red 60**

CAS Number: **17418-58-5**

Date Report Requested: **09/13/2018**

Time Report Requested: **17:23:18**

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	16 ± 2.3	27 ± 2.2	41 ± 2.3	29 ± 0.9
100.0	16 ± 0.9	27 ± 3.5	43 ± 1.8	29 ± 1.2
333.0	27 ± 2.8	40 ± 6.6	38 ± 2.9	32 ± 3.2
1000.0	27 ± 0.9	40 ± 5.5	42 ± 4.7	32 ± 5.1
3333.0	27 ± 0.6	32 ± 4.2	45 ± 2.6	25 ± 4.7
10000.0	16 ± 8.0	20 ± 10.1	42 ± 6.7	10 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[3]		259 ± 7.2	191 ± 9.3	441 ± 27.8
Positive Control[6]	520 ± 29.2			

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: Water
2: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 1.0 ug/Plate Sodium Azide
5: 2.5 ug/Plate 2-Aminoanthracene
6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **