

Experiment Number: 383718

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

**G06: Ames Summary Data**

Test Compound: **C.I. Basic Red 9 Monohydrochloride**

CAS Number: 569-61-9

Date Report Requested: 09/14/2018

Time Report Requested: 09:29:23

**NTP Study Number:**

383718

**Study Result:**

Positive

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	93 ± 1.8	96 ± 6.4	157 ± 5.3	96 ± 6.6	136 ± 10.7
1.0	107 ± 4.5				
3.0	95 ± 3.4				
10.0	84 ± 2.2	112 ± 7.8	147 ± 4.6	131 ± 11.8	180 ± 16.8
33.0	114 ± 5.3	134 ± 4.8	165 ± 6.2	213 ± 5.0	253 ± 13.0
100.0	42 ± 14.3 <sup>s</sup>	152 ± 10.7	176 ± 7.5	501 ± 13.4	349 ± 44.6
333.0		180 ± 7.2	197 ± 1.9	750 ± 76.2	574 ± 24.4
666.0			180 ± 7.7		579 ± 5.2
1000.0		143 ± 13.2 <sup>s</sup>		357 ± 61.2 <sup>s</sup>	
Trial Summary	Negative	Positive	Equivocal	Positive	Positive
Positive Control <sup>2</sup>		654 ± 48.4	474 ± 11.1	1203 ± 145.6	1346 ± 89.1
Positive Control <sup>3</sup>	408 ± 10.8				

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	22 ± 2.7	6 ± 0.7	6 ± 0.3
1.0	27 ± 4.8		
3.0	29 ± 3.7		
10.0	32 ± 2.4	10 ± 1.8	10 ± 1.7
33.0	25 ± 0.3	9 ± 3.4	6 ± 1.2
100.0	7 ± 3.5 <sup>s</sup>	7 ± 1.0	9 ± 1.8
333.0		8 ± 2.1	6 ± 0.9
1000.0		12 ± 2.0 <sup>s</sup>	11 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>	440 ± 14.2		
Positive Control <sup>4</sup>		218 ± 6.2	513 ± 19.6

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **C.I. Basic Red 9 Monohydrochloride**

Time Report Requested: 09:29:23

CAS Number: 569-61-9

**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.7	6 ± 0.9	7 ± 0.6
1.0	8 ± 3.7		
3.0	5 ± 0.9		
10.0	7 ± 0.7	7 ± 1.0	7 ± 1.9
33.0	5 ± 0.3	9 ± 2.3	9 ± 1.5
100.0	5 ± 1.0 <sup>s</sup>	7 ± 1.2	12 ± 0.3
333.0		10 ± 1.3	8 ± 2.5
1000.0		9 ± 2.3 <sup>s</sup>	10 ± 2.8 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		177 ± 24.2	466 ± 6.9
Positive Control <sup>5</sup>	222 ± 12.1		

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CAS Number: 569-61-9

Date Report Requested: 09/14/2018

Time Report Requested: 09:29:23

## 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 <sup>1</sup>	16 ± 1.2	20 ± 2.8	24 ± 2.3	25 ± 2.1	19 ± 0.3
1.0	10 ± 2.0				
3.0	17 ± 1.2				
10.0	17 ± 0.9	31 ± 3.1	32 ± 4.1	32 ± 3.7	28 ± 2.3
33.0	14 ± 0.9	38 ± 0.7	31 ± 4.4	37 ± 2.3	36 ± 4.5
100.0	17 ± 2.1 <sup>s</sup>	28 ± 4.6	21 ± 1.5	53 ± 4.6	48 ± 6.2
333.0		41 ± 6.1	30 ± 2.8	85 ± 9.7	76 ± 7.0
666.0			32 ± 1.9		64 ± 10.9
1000.0		32 ± 0.9 <sup>s</sup>		53 ± 21.5 <sup>s</sup>	
Trial Summary	Negative	Equivocal	Negative	Positive	Positive
Positive Control <sup>2</sup>		550 ± 60.7	264 ± 19.6	1117 ± 211.0	1003 ± 30.8
Positive Control <sup>6</sup>	410 ± 10.8				

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**LEGEND**

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

**\*\* END OF REPORT \*\***