

Experiment Number: 020505

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: C.I. Basic orange 2

CAS Number: 532-82-1

Date Report Requested: 09/14/2018

Time Report Requested: 12:34:46

**NTP Study Number:**

020505

**Study Result:**

Positive

Experiment Number: 020505

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Mutagenicity

## G06: Ames Summary Data

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## Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	104 ± 6.4	100 ± 5.2	128 ± 5.3	126 ± 6.1
124.5	249 ± 71.4 <sup>x</sup>	175 ± 2.2	182 ± 4.4	224 ± 29.0 <sup>x</sup>
249.0	175 ± 15.9 <sup>x</sup>	172 ± 2.2	198 ± 0.9	202 ± 13.0 <sup>x</sup>
498.0	157 ± 1.5 <sup>x</sup>	156 ± 2.3	186 ± 1.9	206 ± 18.3 <sup>x</sup>
996.0	134 ± 12.9 <sup>x</sup>	98 ± 15.6	160 ± 4.1	222 ± 13.7 <sup>x</sup>
1992.0	0 ± 0.0 <sup>s</sup>	10 ± 6.1 <sup>s</sup>	44 ± 4.7 <sup>s</sup>	21 ± 12.7 <sup>s</sup>
Trial Summary	Weakly Positive	Weakly Positive	Weakly Positive	Positive
Positive Control <sup>2</sup>		285 ± 13.0	298 ± 11.5	
Positive Control <sup>3</sup>	221 ± 5.7			292 ± 45.8

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Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	17 ± 1.7	16 ± 2.3	20 ± 6.2	19 ± 3.2
124.5	204 ± 17.6	445 ± 100.7 <sup>x</sup>	283 ± 6.3	440 ± 14.4 <sup>x</sup>
249.0	300 ± 21.3	413 ± 23.8 <sup>x</sup>	410 ± 6.8	404 ± 84.5 <sup>x</sup>
498.0	389 ± 9.8	200 ± 1.5 <sup>x</sup>	666 ± 8.1	410 ± 50.9 <sup>x</sup>
996.0	11 ± 1.9	78 ± 6.8 <sup>x</sup>	103 ± 8.5	251 ± 29.2 <sup>x</sup>
1992.0	0 ± 0.0 <sup>s</sup>	2 ± 2.0 <sup>s</sup>	30 ± 0.6 <sup>s</sup>	16 ± 5.9 <sup>s</sup>
Trial Summary	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	160 ± 10.1		121 ± 13.3	
Positive Control <sup>3</sup>		173 ± 7.3		149 ± 7.0

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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: 240.0 ug/Plate Other Positive Control

s: Slight Toxicity

x: Slight Toxicity and Precipitate

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