

Experiment Number: **G625489C**

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

**G06: Ames Summary Data**

Test Compound: **2-Nitroethanol**

CAS Number: **625-48-9**

Date Report Requested: **09/16/2018**

Time Report Requested: **11:08:25**

**NTP Study Number:**

G625489C

**Study Result:**

Weakly Positive

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G06: Ames Summary Data  
Test Compound: 2-Nitroethanol  
CAS Number: 625-48-9

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<b>Strain: TA100</b>			
<b>Dose (ug/Plate)</b>	<b>Without S9</b>		<b>Without S9</b>
Vehicle Control <sup>1</sup>	85 ± 3.7		64 ± 5.4
12.5	90 ± 2.5		74 ± 1.9
50.0	94 ± 1.3		74 ± 9.5
125.0	99 ± 8.7		71 ± 8.4
500.0	122 ± 13.5		75 ± 7.9
1000.0	43 ± 4.7		Toxic
1500.0	Toxic		Toxic
Trial Summary		Equivocal	Negative
Positive Control <sup>2</sup>		727 ± 3.8	839 ± 15.2

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Strain: E. coli WP2 uvrA pKM101

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Dose (ug/Plate)	Without S9	Without S9
Vehicle Control <sup>1</sup>	149 ± 6.4	127 ± 8.0
50.0	153 ± 15.6	128 ± 3.9
125.0	152 ± 10.4	130 ± 4.3
500.0	154 ± 15.1	161 ± 3.5
1000.0	214 ± 9.6	187 ± 17.6
1500.0	251 ± 9.1	227 ± 9.8
3000.0	Toxic	Toxic
Trial Summary	Weakly Positive	Weakly Positive
Positive Control <sup>3</sup>	1136 ± 16.9	1045 ± 67.0

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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 Sodium Azide

3: 100.0 ug/Plate Methyl Methane Sulfonate

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