

Experiment Number: A33096

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

**G06: Ames Summary Data**

Test Compound: **Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride**

CAS Number: 79917-90-1

Date Report Requested: **09/18/2018**

Time Report Requested: **09:38:23**

**NTP Study Number:**

A33096

**Study Result:**

Negative

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	88 ± 3.5	104 ± 5.6	70 ± 6.5	104 ± 7.2
1000.0	105 ± 6.1	108 ± 5.5	70 ± 3.8	106 ± 5.1
2500.0	88 ± 7.4	108 ± 1.2	76 ± 2.6	113 ± 4.6
5000.0	102 ± 3.5	97 ± 4.9	80 ± 8.4	114 ± 2.2
7500.0	95 ± 7.5	90 ± 1.2	84 ± 4.4	114 ± 3.8
10000.0	105 ± 3.5	107 ± 14.2	81 ± 6.9	142 ± 18.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	445 ± 32.3	374 ± 76.5		
Positive Control <sup>3</sup>			1399 ± 55.7	1682 ± 73.5

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CAS Number: 79917-90-1

**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	22 ± 1.7	23 ± 2.6	36 ± 3.1	34 ± 2.4
1000.0	24 ± 2.9	25 ± 1.9	32 ± 3.2	33 ± 3.2
2500.0	21 ± 1.0	25 ± 2.4	28 ± 2.0	30 ± 1.9
5000.0	14 ± 2.0	23 ± 0.7	27 ± 2.7	25 ± 2.5
7500.0	19 ± 3.2	17 ± 2.3	28 ± 3.2	27 ± 3.2
10000.0	24 ± 1.9	15 ± 1.8	34 ± 1.9	20 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			1393 ± 104.8	1280 ± 128.9
Positive Control <sup>4</sup>	669 ± 27.2	347 ± 36.2		

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CAS Number: 79917-90-1

**Strain: E. coli WP2 uvrA pKM101**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	167 ± 15.4	189 ± 4.6	193 ± 6.0	215 ± 5.9
1000.0	169 ± 6.1	168 ± 7.8	198 ± 10.3	203 ± 7.7
2500.0	162 ± 5.5	168 ± 3.2	191 ± 12.0	216 ± 5.9
5000.0	137 ± 5.2	163 ± 3.6	190 ± 10.4	223 ± 17.6
7500.0	137 ± 6.7	166 ± 7.8	198 ± 5.5	217 ± 3.7
10000.0	135 ± 2.0	189 ± 18.4	218 ± 27.4	259 ± 22.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>			854 ± 28.5	837 ± 34.9
Positive Control <sup>6</sup>	1921 ± 94.3	1699 ± 90.8		

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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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

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