

Experiment Number: A98234

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Sodium chlorate

CAS Number: 7775-09-9

Date Report Requested: 09/21/2018

Time Report Requested: 13:38:50

**NTP Study Number:**

A98234

**Study Duration:**

3 Weeks

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

**Female Study Result:**

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 21; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (mg/L)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	10	1.20 ± 0.20	
125.0	10	1.25 ± 0.13	0.4432
250.0	10	1.10 ± 0.16	0.6160
500.0	10	0.75 ± 0.21	0.9253
1000.0	10	1.05 ± 0.14	0.6727
2000.0	10	1.25 ± 0.23	0.4432
Trend p-Value		0.4060	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 21; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (mg/L)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	10	0.95 ± 0.16	
125.0	10	1.05 ± 0.24	0.3759
250.0	10	1.00 ± 0.18	0.4364
500.0	10	0.65 ± 0.18	0.8557
1000.0	10	0.85 ± 0.17	0.6306
2000.0	10	1.15 ± 0.18	0.2684
Trend p-Value		0.2850	

Trial Summary: Negative

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#### LEGEND

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MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean  $\pm$  Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at  $p = 0.025/\text{number of treatment groups}$ ; positive control value is significant at  $p = 0.05$

Cochran-Armitage trend test, significant at  $p = 0.025$

\* Statistically significant pairwise or trend test

1: Vehicle Control: Water

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