

Experiment Number: A29453

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Zinc potassium chromate

CAS Number: 11103-86-9

Date Report Requested: 09/20/2018

Time Report Requested: 08:28:32

**NTP Study Number:**

A29453

**Study Duration:**

4 Weeks

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Positive (Nonstandard Protocol)

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Tissue: Blood; Sex: Male; Number of Treatments: 20; Time interval between final treatment and cell sampling: 24 h

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| <b>MN NCE/1000</b>           |          |                   |                |
|------------------------------|----------|-------------------|----------------|
| <b>Dose (ug/day)</b>         | <b>N</b> | <b>Mean ± SEM</b> | <b>p-Value</b> |
| Vehicle Control <sup>1</sup> | 10       | 1.04 ± 0.04       |                |
| 0.51                         | 10       | 1.32 ± 0.06       | 0.0189         |
| 5.1                          | 10       | 1.35 ± 0.11       | 0.0118         |
| 51.0                         | 10       | 1.27 ± 0.04       | 0.0434         |
| 255.0                        | 10       | 1.57 ± 0.06       | < 0.001 *      |
| Trend p-Value                |          | 0.0030 *          |                |

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Trial Summary: Positive (Nonstandard Protocol)

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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: Solvent

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