Experiment Number: **A39797**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Feed**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Chromium picolinate monohydrate**
CAS Number: **27882-76-4**

Date Report Requested: **09/20/2018**
Time Report Requested: **12:26:51**

NTP Study Number:	A39797
Study Duration:	90 Days
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Equivocal

Experiment Number: **A39797**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Feed**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Chromium picolinate monohydrate**

CAS Number: **27882-76-4**

Date Report Requested: **09/20/2018**

Time Report Requested: **12:26:51**

Tissue: Blood; Sex: Male; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

	MN PCE/1000			MN NCE/1000			% PCE
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	10	2.80 ± 0.33		10	2.80 ± 0.44		3.74 ± 0.22
80.0				10	2.90 ± 0.57	0.4472	
240.0				10	3.20 ± 0.70	0.3025	
2000.0				10	4.30 ± 0.30	0.0373	
10000.0				10	3.40 ± 0.50	0.2227	
50000.0	10	3.00 ± 0.54	0.3963	10	3.50 ± 0.34	0.1885	4.13 ± 0.29
Trend p-Value		0.3960			0.3500		

Trial Summary: Negative

Experiment Number: **A39797**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Feed**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Chromium picolinate monohydrate**

CAS Number: **27882-76-4**

Date Report Requested: **09/20/2018**

Time Report Requested: **12:26:51**

Tissue: Blood; Sex: Female; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

	MN PCE/1000			MN NCE/1000			% PCE
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	10	3.30 ± 0.26		10	2.10 ± 0.46		4.06 ± 0.23
80.0				10	1.30 ± 0.33	0.9151	
240.0				10	2.50 ± 0.45	0.2774	
2000.0				10	2.20 ± 0.44	0.4393	
10000.0				10	2.10 ± 0.31	0.5000	
50000.0	10	3.40 ± 0.65	0.4513	10	3.40 ± 0.37	0.0396	3.80 ± 0.18
Trend p-Value		0.4510			0.0050 *		

Trial Summary: Equivocal

LEGEND

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 ± 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/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 **