Experiment Number: **A49643**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Cadmium oxide**
CAS Number: **1306-19-0**

Date Report Requested: **09/20/2018**
Time Report Requested: **17:00:18**

NTP Study Number:	A49643
Study Duration:	93 Days
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **A49643**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Cadmium oxide**

CAS Number: **1306-19-0**

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

Time Report Requested: **17:00:18**

Tissue: Blood; Sex: Male; Number of Treatments: 67; Time interval between final treatment and cell sampling: 0 h

		MN NCE/1000	
Dose (mg/m3)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	3.50 ± 0.45	
0.025	5	2.80 ± 0.34	0.8115
0.05	5	3.70 ± 0.62	0.4067
0.1	5	3.10 ± 0.86	0.6891
0.25	5	3.10 ± 0.43	0.6891
1.0	5	4.30 ± 0.60	0.1820
Trend p-Value		0.0620	

Trial Summary: Negative

Experiment Number: **A49643**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Cadmium oxide**

CAS Number: **1306-19-0**

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

Time Report Requested: **17:00:18**

Tissue: Blood; Sex: Female; Number of Treatments: 67; Time interval between final treatment and cell sampling: 0 h

		MN NCE/1000	
Dose (mg/m3)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	2.10 ± 0.24	
0.025	5	2.10 ± 0.43	0.5000
0.05	5	2.20 ± 0.30	0.4393
0.1	5	2.10 ± 0.29	0.5000
0.25	5	2.70 ± 0.37	0.1930
1.0	5	2.70 ± 0.34	0.1930
Trend p-Value		0.1400	

Trial Summary: Negative

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: Air

** END OF REPORT **