Experiment Number: **A00989**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Rat/Fischer 344**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Casanthranol (cascara sagrada extract)**
CAS Number: **8024-48-4**

Date Report Requested: **09/19/2018**
Time Report Requested: **22:20:29**

NTP Study Number:	A00989
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

Experiment Number: **A00989**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Rat/Fischer 344**

G04: In Vivo Micronucleus Summary Data

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	0.60 ± 0.24		33.80 ± 4.10
625.0	5	0.70 ± 0.20	0.3907	29.60 ± 2.90
1250.0	5	1.20 ± 0.12	0.0786	40.50 ± 3.11
2000.0	3	0.83 ± 0.17	0.2928	27.67 ± 2.62
Trend p-Value		0.1610		
Positive Control[2]	3	18.83 ± 1.92	< 0.001 *	7.17 ± 3.22

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: Corn Oil
2: 25.0 mg/kg Cyclophosphamide

** END OF REPORT **