Experiment Number: **G98047**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Oral gavage**
Species/Strain: **Rat/F344/NTac**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Goldenseal Extract**
CAS Number: **84603-60-1**

Date Report Requested: **11/19/2018**
Time Report Requested: **10:41:52**

NTP Study Number:	G98047
Study Duration:	5 day
Study Methodology:	Flow cytometry
Male Study Result:	Negative

Experiment Number: **G98047**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Oral gavage**
Species/Strain: **Rat/F344/NTac**

G04: In Vivo Micronucleus Summary Data
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CAS Number: **84603-60-1**

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Tissue: Blood; Sex: Male; Number of Treatments: 5; Time interval between final treatment and cell sampling: 24 h

	MN PCE/1000			MN NCE/1000			% PCE	
Dose (mg/kg/day)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	6	0.767 ± 0.076		6	0.075 ± 0.005		2.908 ± 0.252	
94	6	0.567 ± 0.079	0.9478	6	0.072 ± 0.003	1.0000	3.268 ± 0.414	0.6315
188	6	0.608 ± 0.093	0.9772	6	0.082 ± 0.016	1.0000	3.010 ± 0.216	0.7495
375	6	0.442 ± 0.100	0.9849	6	0.043 ± 0.007	1.0000	3.333 ± 0.355	0.4550
750	6	0.558 ± 0.069	0.9882	6	0.057 ± 0.009	1.0000	3.366 ± 0.311	0.3972
1500	6	0.508 ± 0.062	0.9900	6	0.074 ± 0.018	1.0000	3.925 ± 0.256	0.0367
Trend p-Value		0.9260			0.9544		0.0162 *	

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
Pairwise comparison with the control group; values are significant at P <= 0.025 by Williams or Dunn's test
Dose-related trend; significant at P <= 0.025 by linear regression or Jonckheere's test
* Statistically significant pairwise or trend test
1: Vehicle Control: Corn Oil

** END OF REPORT **