Study Number:	C11042B-01
Study Sex:	Both
PWG Approval Date:	See web page for date of PWG Approval
Version:	v1.7.4
Stat Version:	S

Study Number: C11042B-01
Test Type: TOX with Perinatal Exposure
Route: Dosing in Feed
Species/Strain: Rat/Harlan Sprague Dawley

R16: Pubertal Markers Summary
Test Compound: Triphenyl Phosphate (TPHP)
CAS Number: 115-86-6

Date Report Requested: 04/03/2026
Time Report Requested: 13:18:14
Lab: Battelle

Male

Generation	Cohort		Treatment Groups (ppm)					
			0	30	100	300	1000	3000
F1	All Males	No. Examined (litters)	15 (15)	15 (15)	15 (15)	15 (15)	15 (15)	15 (15)
		No. Removed (litters)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
		No. Not Attaining BPS (litters)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
		Day of BPS						
		Mean Analysis						
		Litter Mean ± SE	44.3 ± 0.5 **	44.0 ± 0.4	45.0 ± 0.4	44.9 ± 0.3	44.8 ± 0.5	46.9 ± 0.7 **
		Litter Mean of Adjusted ± SE	44.6 ± 0.4 **	44.2 ± 0.4	45.1 ± 0.4	44.7 ± 0.3	45.1 ± 0.4	46.3 ± 0.5 *
		Proportional Hazards Analysis						
		Litter-based Model	p=0.004	p=0.775	p=0.775	p=0.775	p=0.775	p=0.122
		BW at Attainment (g)	193.3 ± 3.1	186.6 ± 3.3	192.8 ± 4.1	190.3 ± 3.3	185.6 ± 3.5	187.2 ± 4.3
		BW at Weaning (g)	93.3 ± 1.9	92.3 ± 1.2	91.7 ± 1.7	89.7 ± 2.0	93.1 ± 1.7	86.7 ± 2.1 *

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Female

Generation	Cohort		Treatment Groups (ppm)					
			0	30	100	300	1000	3000
F1	All Females	No. Examined (litters)	15 (15)	15 (15)	15 (15)	15 (15)	15 (15)	15 (15)
		No. Removed (litters)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
		No. Not Attaining VO (litters)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
		Day of VO						
		Mean Analysis						
		Litter Mean ± SE	36.9 ± 0.5 **	35.5 ± 0.4	37.4 ± 0.4	38.2 ± 0.4	38.5 ± 0.7	41.2 ± 0.5 **
		Litter Mean of Adjusted ± SE	36.9 ± 0.5 **	35.6 ± 0.4	37.4 ± 0.4	38.2 ± 0.4	38.5 ± 0.7	41.1 ± 0.6 **
		Proportional Hazards Analysis						
		Litter-based Model	p<0.001	p=0.064	p=0.567	p=0.162	p=0.018	p<0.001
		BW at Attainment (g)	116.8 ± 2.3 **	115.2 ± 2.2	122.4 ± 2.7	120.7 ± 2.0	125.0 ± 3.1 *	125.8 ± 2.8 *
		BW at Weaning (g)	81.6 ± 1.5	84.6 ± 1.5	83.3 ± 1.7	80.7 ± 1.3	84.2 ± 1.3	79.4 ± 1.1

LEGEND

BPS = Balanopreputial separation; BW = Body weight; VO = Vaginal opening

No. Examined (litters) = the number of animals or pups examined (number of litters)

No. Removed (litters) is the number of animals (number of litters contributing) that died or were removed prior to the end of the observation period and did not attain. These animals were excluded from all analyses.

No. Not Attaining BPS (litters) and No. Not Attaining VO (litters) are the number of animals (number of litters contributing) that survived to the end of the observation period without attaining.

Summary statistics and linear model results are presented for animals that attained during the observation period for Day of BPS and Day of VO Mean Analysis endpoint.

Means presented for Day of BPS and Day of VO as Mean ± SE. Trend and pairwise tests were based on linear models for day of attainment with dose as a covariate. The Dunnett-Hsu adjustment was used for multiple comparisons.

Mean of adjusted day of attainment was calculated from the weaning weight-adjusted attainment days for individual pups. Trend and pairwise tests were based on linear models for day of attainment with dose and weaning weight as covariates. The Dunnett-Hsu adjustment was used for multiple comparisons.

Animals that did not attain by the end of the observation period were included in the proportional hazards analysis.

P-values for trend and pairwise comparisons for the Proportional Hazards Analysis were calculated from a Cox proportional hazards model with dose and weaning weight as covariates, and a Hommel adjustment for multiple comparisons.

Body weights are shown as Mean ± SEM.

Statistical analysis for body weights was performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical significance for the control group indicates a significant trend test.

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group.

* Statistically significant at p <= 0.05

** Statistically significant at p <= 0.01

** END OF REPORT **