

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

R19: Pup Mean Body Weight Summary
Test Compound: Triphenyl Phosphate (TPHP)
CAS Number: 115-86-6

Date Report Requested: 04/02/2026
Time Report Requested: 10:44:20
Lab: Battelle

Study Number: C11042B-01
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.7.4
Stat Version: 2022.10.17S

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F1 Males

Treatment Groups (ppm)

Phase Day	0		30			100			300		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	7.29 ± 0.11	123 (19)	7.16 ± 0.11	98.22	170 (28)	7.35 ± 0.08	100.80	153 (26)	6.97 ± 0.17	95.59	136 (22)
PND4	10.71 ± 0.18	123 (19)	10.71 ± 0.15	100.01	167 (27)	10.71 ± 0.17	99.95	152 (26)	10.76 ± 0.12	100.45	134 (21)
PND7	16.30 ± 0.42	75 (19)	16.70 ± 0.29	102.43	101 (24)	16.50 ± 0.32	101.18	92 (23)	16.48 ± 0.20	101.08	84 (21)
PND10	23.03 ± 0.54 *	75 (19)	23.77 ± 0.36	103.23	101 (24)	23.46 ± 0.35	101.88	92 (23)	23.36 ± 0.23	101.41	84 (21)
PND13	30.19 ± 0.59 **	75 (19)	30.60 ± 0.45	101.36	101 (24)	30.58 ± 0.39	101.27	91 (23)	30.27 ± 0.26	100.27	84 (21)
PND16	37.35 ± 0.70 **	75 (19)	37.59 ± 0.47	100.64	101 (24)	37.51 ± 0.45	100.42	91 (23)	37.27 ± 0.32	99.77	84 (21)
PND19	45.89 ± 0.96 **	75 (19)	46.77 ± 0.73	101.92	101 (24)	46.73 ± 0.66	101.85	91 (23)	45.92 ± 0.49	100.06	84 (21)
PND21	55.11 ± 1.00 **	75 (19)	56.24 ± 0.74	102.04	101 (24)	56.17 ± 0.64	101.92	91 (23)	55.54 ± 0.43	100.76	84 (21)
PND25	75.60 ± 1.40 **	75 (19)	76.80 ± 0.89	101.59	101 (24)	76.78 ± 0.77	101.57	91 (23)	75.72 ± 0.57	100.15	84 (21)
PND28	92.52 ± 1.57 *	75 (19)	92.79 ± 1.05	100.30	101 (24)	93.15 ± 1.01	100.68	91 (23)	92.05 ± 0.69	99.49	84 (21)

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Phase Day	Treatment Groups (ppm)					
	1000			3000		
	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	7.17 ± 0.14	98.31	138 (24)	7.25 ± 0.11	99.34	140 (27)
PND4	10.49 ± 0.28	97.91	138 (24)	10.42 ± 0.21	97.31	140 (27)
PND7	15.99 ± 0.47	98.11	88 (24)	16.17 ± 0.42	99.20	94 (27)
PND10	22.23 ± 0.61	96.53	88 (24)	22.38 ± 0.48	97.18	94 (27)
PND13	28.93 ± 0.76	95.83	88 (24)	28.98 ± 0.53	95.99	94 (27)
PND16	35.91 ± 0.83	96.13	88 (24)	35.52 ± 0.57	95.08	94 (27)
PND19	44.39 ± 1.11	96.74	88 (24)	43.41 ± 0.76	94.60	94 (27)
PND21	54.28 ± 1.20	98.49	88 (24)	52.57 ± 0.86	95.38	94 (27)
PND25	75.16 ± 1.44	99.42	88 (24)	73.07 ± 1.16	96.65	94 (27)
PND28	92.01 ± 1.67	99.45	88 (24)	89.42 ± 1.43	96.65	94 (27)

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F1 Females

Treatment Groups (ppm)

Phase Day	0		30			100			300		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	6.89 ± 0.09	120 (19)	6.74 ± 0.11	97.85	146 (28)	6.79 ± 0.10	98.47	158 (26)	6.72 ± 0.08	97.58	138 (21)
PND4	10.15 ± 0.15	119 (19)	10.13 ± 0.15	99.80	142 (27)	10.03 ± 0.16	98.81	157 (26)	10.11 ± 0.14	99.60	137 (21)
PND7	15.40 ± 0.39	75 (19)	16.05 ± 0.29	104.19	87 (24)	15.40 ± 0.37	99.99	88 (23)	15.58 ± 0.25	101.17	84 (21)
PND10	21.83 ± 0.52 *	75 (19)	22.94 ± 0.37	105.10	87 (24)	22.13 ± 0.41	101.38	88 (23)	22.28 ± 0.21	102.07	84 (21)
PND13	28.65 ± 0.56 **	75 (19)	29.70 ± 0.44	103.66	87 (24)	28.84 ± 0.44	100.68	88 (23)	28.89 ± 0.33	100.83	84 (21)
PND16	35.38 ± 0.62 **	75 (19)	36.30 ± 0.46	102.61	87 (24)	35.35 ± 0.52	99.92	88 (23)	35.61 ± 0.34	100.67	84 (21)
PND19	43.31 ± 0.87 **	75 (19)	44.51 ± 0.68	102.77	87 (24)	43.54 ± 0.68	100.52	88 (23)	43.58 ± 0.44	100.63	84 (21)
PND21	51.36 ± 0.91 **	75 (19)	53.60 ± 0.74	104.37	87 (24)	51.88 ± 0.68	101.01	88 (23)	51.99 ± 0.43	101.23	84 (21)
PND25	69.07 ± 1.24 **	75 (19)	71.41 ± 0.88	103.39	87 (24)	69.35 ± 0.85	100.41	88 (23)	69.72 ± 0.60	100.94	84 (21)
PND28	82.94 ± 1.34	75 (19)	84.60 ± 1.00	101.99	87 (24)	82.54 ± 1.08	99.52	88 (23)	82.98 ± 0.70	100.05	84 (21)

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F1 Females

Phase Day	Treatment Groups (ppm)					
	1000			3000		
	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	6.73 ± 0.15	97.67	127 (25)	6.83 ± 0.08	99.13	146 (26)
PND4	9.87 ± 0.27	97.24	126 (25)	9.94 ± 0.19	97.85	145 (26)
PND7	15.16 ± 0.43	98.43	91 (25)	15.46 ± 0.37	100.37	103 (26)
PND10	21.28 ± 0.51	97.51	90 (25)	21.39 ± 0.40	98.00	103 (26)
PND13	27.88 ± 0.55	97.33	90 (25)	27.65 ± 0.44	96.52	103 (26)
PND16	34.38 ± 0.73	97.17	90 (25)	33.93 ± 0.51	95.92	103 (26)
PND19	42.16 ± 1.02	97.33	90 (25)	41.24 ± 0.70	95.21	103 (26)
PND21	50.80 ± 1.03	98.90	90 (25)	49.34 ± 0.75	96.06	103 (26)
PND25	68.75 ± 1.17	99.53	90 (25)	67.39 ± 0.93	97.57	103 (26)
PND28	82.41 ± 1.36	99.35	90 (25)	81.23 ± 1.12	97.93	103 (26)

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F1 Pups

Treatment Groups (ppm)

Phase Day	0		30			100			300		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	7.07 ± 0.09	243 (19)	6.97 ± 0.11	98.46	316 (28)	7.08 ± 0.08	100.07	311 (26)	6.78 ± 0.16	95.85	274 (22)
PND4	10.41 ± 0.16	242 (19)	10.45 ± 0.14	100.42	309 (27)	10.41 ± 0.16	100.02	309 (26)	10.44 ± 0.13	100.23	271 (21)
PND7	15.84 ± 0.38	150 (19)	16.41 ± 0.28	103.61	188 (24)	15.99 ± 0.33	100.96	180 (23)	16.03 ± 0.21	101.22	168 (21)
PND10	22.42 ± 0.50 *	150 (19)	23.40 ± 0.35	104.38	188 (24)	22.85 ± 0.37	101.92	180 (23)	22.82 ± 0.20	101.79	168 (21)
PND13	29.41 ± 0.55 **	150 (19)	30.23 ± 0.41	102.81	188 (24)	29.78 ± 0.41	101.28	179 (23)	29.58 ± 0.27	100.59	168 (21)
PND16	36.35 ± 0.63 **	150 (19)	36.99 ± 0.43	101.76	188 (24)	36.50 ± 0.48	100.41	179 (23)	36.44 ± 0.30	100.25	168 (21)
PND19	44.57 ± 0.87 **	150 (19)	45.77 ± 0.68	102.69	188 (24)	45.26 ± 0.65	101.54	179 (23)	44.75 ± 0.42	100.40	168 (21)
PND21	53.21 ± 0.91 **	150 (19)	55.05 ± 0.71	103.45	188 (24)	54.17 ± 0.64	101.81	179 (23)	53.76 ± 0.38	101.04	168 (21)
PND25	72.29 ± 1.26 **	150 (19)	74.39 ± 0.87	102.91	188 (24)	73.27 ± 0.76	101.35	179 (23)	72.71 ± 0.52	100.59	168 (21)
PND28	87.69 ± 1.38 *	150 (19)	89.11 ± 1.01	101.63	188 (24)	88.11 ± 1.00	100.49	179 (23)	87.51 ± 0.62	99.80	168 (21)

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Phase Day	Treatment Groups (ppm)					
	1000			3000		
	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	6.93 ± 0.14	97.99	265 (25)	7.07 ± 0.09	99.94	286 (27)
PND4	10.11 ± 0.28	97.13	264 (25)	10.23 ± 0.19	98.30	285 (27)
PND7	15.50 ± 0.44	97.86	179 (25)	15.88 ± 0.39	100.27	197 (27)
PND10	21.66 ± 0.54	96.62	178 (25)	21.96 ± 0.44	97.97	197 (27)
PND13	28.29 ± 0.64	96.20	178 (25)	28.39 ± 0.48	96.53	197 (27)
PND16	34.98 ± 0.76	96.24	178 (25)	34.80 ± 0.54	95.73	197 (27)
PND19	43.02 ± 1.06	96.52	178 (25)	42.44 ± 0.73	95.21	197 (27)
PND21	52.30 ± 1.08	98.29	178 (25)	51.02 ± 0.81	95.89	197 (27)
PND25	71.61 ± 1.26	99.06	178 (25)	70.23 ± 1.02	97.16	197 (27)
PND28	86.83 ± 1.44	99.02	178 (25)	85.35 ± 1.25	97.33	197 (27)

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LEGEND

N = the number of pups (number of litters)

PND = Postnatal Day

Data are displayed as the means and standard errors of the litter means.

PND4 weights are precull if litters are culled on postnatal day 4.

Pup weights are adjusted for covariate litter size for all postnatal days. Total live on PND 1 for day 1 to cull day, and number of live pups after culling for later weight days.

Statistical analysis was performed using mixed effects models with litter as a random effect, and a Dunnett-Hsu adjustment for multiple pairwise comparisons.

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 $p \leq 0.05$

** Statistically significant at $p \leq 0.01$

Litters were culled to 8 pups (4 males and 4 females) when possible.

One male pup weight on PND1 in the 3000 ppm group was excluded as an outlier, along with the weight gains over the intervals that are bounded by this observation.

**** END OF REPORT ****