

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

R19G: Pup Mean Body Weight Gain
Test Compound: Triphenyl Phosphate (TPHP)
CAS Number: 115-86-6

Date Report Requested: 06/18/2026
Time Report Requested: 16:19:29
Lab: Battelle

Study Number: C11042B-01
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.7.9
Stat Version: 2022.10.17S

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F1 Males

Phase	Days	Treatment Groups (ppm)							
		0		30		100		300	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.41 ± 0.09	123 (19)	3.50 ± 0.09	167 (27)	3.36 ± 0.13	152 (26)	3.63 ± 0.10	134 (21)
	4 - 7	5.59 ± 0.21	75 (19)	5.59 ± 0.13	101 (24)	5.61 ± 0.13	92 (23)	5.84 ± 0.10	84 (21)
	7 - 10	6.73 ± 0.15 **	75 (19)	7.07 ± 0.10	101 (24)	6.97 ± 0.16	92 (23)	6.88 ± 0.16	84 (21)
	10 - 13	7.16 ± 0.16 *	75 (19)	6.83 ± 0.23	101 (24)	7.03 ± 0.15	91 (23)	6.92 ± 0.23	84 (21)
	13 - 16	7.16 ± 0.20 *	75 (19)	6.99 ± 0.22	101 (24)	6.93 ± 0.19	91 (23)	6.99 ± 0.24	84 (21)
	16 - 19	8.53 ± 0.45 **	75 (19)	9.17 ± 0.35	101 (24)	9.23 ± 0.37	91 (23)	8.65 ± 0.34	84 (21)
	19 - 21	9.23 ± 0.26	75 (19)	9.47 ± 0.23	101 (24)	9.44 ± 0.18	91 (23)	9.62 ± 0.23	84 (21)
	21 - 25	20.48 ± 0.50	75 (19)	20.56 ± 0.27	101 (24)	20.61 ± 0.26	91 (23)	20.18 ± 0.28	84 (21)
	25 - 28	16.92 ± 0.28	75 (19)	15.99 ± 0.25	101 (24)	16.37 ± 0.34	91 (23)	16.33 ± 0.28	84 (21)
	4 - 28	81.81 ± 1.36 **	75 (19)	81.69 ± 0.90	101 (24)	82.27 ± 0.89	91 (23)	81.42 ± 0.67	84 (21)

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Phase	Days	Treatment Groups (ppm)			
		1000		3000	
		WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.34 ± 0.16	138 (24)	3.20 ± 0.16	139 (27)
	4 - 7	5.34 ± 0.17	88 (24)	5.45 ± 0.18	94 (27)
	7 - 10	6.24 ± 0.19	88 (24)	6.21 ± 0.15	94 (27)
	10 - 13	6.70 ± 0.23	88 (24)	6.60 ± 0.15	94 (27)
	13 - 16	6.97 ± 0.20	88 (24)	6.53 ± 0.18	94 (27)
	16 - 19	8.48 ± 0.34	88 (24)	7.89 ± 0.29	94 (27)
	19 - 21	9.89 ± 0.21	88 (24)	9.16 ± 0.18	94 (27)
	21 - 25	20.88 ± 0.34	88 (24)	20.50 ± 0.39	94 (27)
	25 - 28	16.85 ± 0.34	88 (24)	16.35 ± 0.37	94 (27)
	4 - 28	81.36 ± 1.38	88 (24)	78.69 ± 1.21	94 (27)

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F1 Females

Phase	Days	Treatment Groups (ppm)							
		0		30		100		300	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.24 ± 0.10	119 (19)	3.35 ± 0.08	142 (27)	3.22 ± 0.11	157 (26)	3.37 ± 0.11	137 (21)
	4 - 7	5.28 ± 0.20	75 (19)	5.43 ± 0.11	87 (24)	5.19 ± 0.15	88 (23)	5.56 ± 0.11	84 (21)
	7 - 10	6.43 ± 0.16 **	75 (19)	6.89 ± 0.13	87 (24)	6.73 ± 0.13	88 (23)	6.70 ± 0.17	84 (21)
	10 - 13	6.82 ± 0.18 **	75 (19)	6.76 ± 0.14	87 (24)	6.71 ± 0.16	88 (23)	6.61 ± 0.20	84 (21)
	13 - 16	6.73 ± 0.16	75 (19)	6.60 ± 0.17	87 (24)	6.51 ± 0.17	88 (23)	6.73 ± 0.16	84 (21)
	16 - 19	7.93 ± 0.41 *	75 (19)	8.21 ± 0.29	87 (24)	8.19 ± 0.32	88 (23)	7.97 ± 0.26	84 (21)
	19 - 21	8.05 ± 0.22	75 (19)	9.09 ± 0.22 **	87 (24)	8.34 ± 0.24	88 (23)	8.41 ± 0.19	84 (21)
	21 - 25	17.71 ± 0.39	75 (19)	17.81 ± 0.30	87 (24)	17.47 ± 0.31	88 (23)	17.72 ± 0.28	84 (21)
	25 - 28	13.88 ± 0.29	75 (19)	13.18 ± 0.26	87 (24)	13.19 ± 0.32	88 (23)	13.26 ± 0.21	84 (21)
	4 - 28	72.82 ± 1.16 *	75 (19)	73.98 ± 0.84	87 (24)	72.34 ± 0.95	88 (23)	72.96 ± 0.62	84 (21)

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F1 Females

Phase	Days	Treatment Groups (ppm)			
		1000		3000	
		WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.15 ± 0.16	126 (25)	3.14 ± 0.16	145 (26)
	4 - 7	5.06 ± 0.17	91 (25)	5.10 ± 0.16	103 (26)
	7 - 10	6.08 ± 0.16	90 (25)	5.93 ± 0.14	103 (26)
	10 - 13	6.60 ± 0.15	90 (25)	6.26 ± 0.15	103 (26)
	13 - 16	6.49 ± 0.26	90 (25)	6.28 ± 0.17	103 (26)
	16 - 19	7.78 ± 0.38	90 (25)	7.30 ± 0.27	103 (26)
	19 - 21	8.64 ± 0.17	90 (25)	8.10 ± 0.15	103 (26)
	21 - 25	17.95 ± 0.27	90 (25)	18.05 ± 0.32	103 (26)
	25 - 28	13.66 ± 0.33	90 (25)	13.84 ± 0.26	103 (26)
	4 - 28	72.28 ± 1.11	90 (25)	70.87 ± 0.91	103 (26)

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F1 Pups

Phase	Days	Treatment Groups (ppm)							
		0		30		100		300	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.32 ± 0.10	242 (19)	3.45 ± 0.08	309 (27)	3.32 ± 0.11	309 (26)	3.50 ± 0.10	271 (21)
	4 - 7	5.43 ± 0.20	150 (19)	5.52 ± 0.12	188 (24)	5.41 ± 0.13	180 (23)	5.70 ± 0.10	168 (21)
	7 - 10	6.58 ± 0.15 **	150 (19)	6.99 ± 0.10	188 (24)	6.86 ± 0.14	180 (23)	6.79 ± 0.16	168 (21)
	10 - 13	6.99 ± 0.17 **	150 (19)	6.83 ± 0.15	188 (24)	6.90 ± 0.15	179 (23)	6.76 ± 0.21	168 (21)
	13 - 16	6.94 ± 0.18 *	150 (19)	6.76 ± 0.16	188 (24)	6.72 ± 0.17	179 (23)	6.86 ± 0.19	168 (21)
	16 - 19	8.22 ± 0.42 **	150 (19)	8.78 ± 0.32	188 (24)	8.76 ± 0.32	179 (23)	8.31 ± 0.28	168 (21)
	19 - 21	8.64 ± 0.22	150 (19)	9.28 ± 0.21	188 (24)	8.92 ± 0.18	179 (23)	9.01 ± 0.19	168 (21)
	21 - 25	19.08 ± 0.41	150 (19)	19.34 ± 0.29	188 (24)	19.09 ± 0.25	179 (23)	18.95 ± 0.26	168 (21)
	25 - 28	15.40 ± 0.27	150 (19)	14.73 ± 0.23	188 (24)	14.85 ± 0.30	179 (23)	14.80 ± 0.22	168 (21)
4 - 28	77.28 ± 1.20 **	150 (19)	78.23 ± 0.86	188 (24)	77.54 ± 0.85	179 (23)	77.18 ± 0.57	168 (21)	

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F1 Pups

Phase	Days	Treatment Groups (ppm)			
		1000		3000	
		WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.20 ± 0.16	264 (25)	3.19 ± 0.15	284 (27)
	4 - 7	5.20 ± 0.16	179 (25)	5.29 ± 0.16	197 (27)
	7 - 10	6.14 ± 0.17	178 (25)	6.08 ± 0.15	197 (27)
	10 - 13	6.63 ± 0.18	178 (25)	6.42 ± 0.14	197 (27)
	13 - 16	6.70 ± 0.22	178 (25)	6.41 ± 0.16	197 (27)
	16 - 19	8.04 ± 0.36	178 (25)	7.64 ± 0.27	197 (27)
	19 - 21	9.28 ± 0.15	178 (25)	8.59 ± 0.14	197 (27)
	21 - 25	19.31 ± 0.29	178 (25)	19.21 ± 0.32	197 (27)
	25 - 28	15.22 ± 0.29	178 (25)	15.12 ± 0.30	197 (27)
	4 - 28	76.52 ± 1.16	178 (25)	74.76 ± 1.03	197 (27)

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LEGEND

N = the number of pups (number of litters)

PND = Postnatal Day, pups pre-weaning.

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.

"F1 pups" includes both male and female F1 offspring.

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 ****