

Study Number: MOG10866
Test Type: MOG - Range Finding
Route: Dosing in Feed
Species/Strain: Rat/Harlan Sprague Dawley

R19: Pup Mean Body Weight Summary
Test Compound: Isopropylated Phenyl Phosphate
CAS Number: 68937-41-7

Date Report Requested: 02/22/2021
Time Report Requested: 07:25:28
Lab: Battelle

Study Number: MOG10866
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.1.7

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F1 Males

Treatment Groups (ppm)

Phase Day	0		1000			3000			10000		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	7.65 ± 0.16 **	67 (11)	6.80 ± 0.13 *	88.95	96 (17)	6.10 ± 0.41 **	79.71	45 (10)	5.00 ± 0.38 **	65.37	26 (7)
PND4	11.43 ± 0.34 **	63 (11)	9.71 ± 0.40 *	84.96	93 (17)	9.02 ± 0.92 *	78.90	34 (8)	5.26 ± 0.59 **	46.00	15 (4)
PND7	16.17 ± 0.55 **	63 (11)	13.50 ± 0.62 *	83.50	92 (17)	13.02 ± 1.00 *	80.53	33 (7)	6.45 ± 0.93 **	39.89	12 (4)
PND10	21.88 ± 0.81 **	63 (11)	18.41 ± 0.82 *	84.17	92 (17)	17.34 ± 1.18 *	79.28	33 (7)	9.39 ± 1.42 **	42.91	10 (4)
PND14	29.30 ± 1.16 **	63 (11)	24.89 ± 0.86 **	84.95	90 (17)	23.59 ± 1.06 **	80.51	33 (7)	12.44 ± 2.55 **	42.47	10 (4)
PND17	34.55 ± 1.32 **	63 (11)	30.74 ± 0.86 *	88.98	89 (17)	29.19 ± 0.80 *	84.47	33 (7)	15.76 ± 3.07 **	45.61	10 (4)
PND21	48.26 ± 1.82 **	63 (11)	42.42 ± 1.32 *	87.89	89 (17)	39.39 ± 1.57 **	81.62	33 (7)	18.56 ± 4.16 **	38.46	10 (4)
PND24	60.97 ± 2.00 **	63 (11)	54.62 ± 1.52	89.58	89 (17)	50.52 ± 2.49 **	82.86	33 (7)	21.37 ± 5.62 **	35.05	10 (4)
PND28	80.85 ± 2.54 **	63 (11)	72.83 ± 1.76 *	90.08	89 (17)	68.35 ± 2.86 **	84.53	33 (7)	28.45 ± 7.89 **	35.19	10 (4)

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F1 Females

Treatment Groups (ppm)

Phase Day	0		1000			3000			10000		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	7.16 ± 0.16 **	76 (11)	6.62 ± 0.15	92.47	80 (17)	5.83 ± 0.34 **	81.44	55 (11)	4.75 ± 0.36 **	66.35	35 (7)
PND4	11.05 ± 0.21 **	72 (11)	9.57 ± 0.39	86.61	76 (17)	8.11 ± 0.92 **	73.43	41 (9)	5.14 ± 0.72 **	46.54	12 (4)
PND7	15.52 ± 0.29 **	72 (11)	13.36 ± 0.57 *	86.10	76 (17)	12.20 ± 0.85 **	78.61	38 (8)	5.26 ± 1.42 **	33.89	12 (4)
PND10	20.82 ± 0.36 **	72 (11)	17.98 ± 0.77 *	86.36	75 (17)	16.48 ± 0.88 **	79.16	38 (8)	8.08 ± 1.24 **	38.80	11 (3)
PND14	28.05 ± 0.62 **	71 (11)	24.62 ± 0.83 **	87.79	71 (17)	22.98 ± 0.68 **	81.93	38 (8)	12.30 ± 1.07 **	43.85	11 (3)
PND17	33.16 ± 0.75 **	71 (11)	30.18 ± 0.83 *	91.00	71 (17)	28.23 ± 0.60 **	85.14	38 (8)	15.67 ± 1.03 **	47.27	11 (3)
PND21	46.28 ± 1.02 **	71 (11)	41.64 ± 1.29 *	89.98	71 (17)	37.43 ± 1.49 **	80.88	38 (8)	19.91 ± 1.43 **	43.03	11 (3)
PND24	57.40 ± 1.13 **	71 (11)	52.58 ± 1.44 *	91.61	71 (17)	47.17 ± 1.90 **	82.17	38 (8)	23.61 ± 1.11 **	41.14	11 (3)
PND28	74.43 ± 1.36 **	71 (11)	67.97 ± 1.60 *	91.32	71 (17)	61.99 ± 2.50 **	83.28	38 (8)	31.02 ± 1.49 **	41.67	11 (3)

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F1 Pups

Treatment Groups (ppm)

Phase Day	0		1000			3000			10000		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	7.38 ± 0.14 **	143 (11)	6.75 ± 0.14	91.54	176 (17)	5.99 ± 0.34 **	81.19	100 (11)	4.89 ± 0.37 **	66.34	61 (7)
PND4	11.28 ± 0.17 **	135 (11)	9.70 ± 0.39	86.03	169 (17)	7.99 ± 0.92 **	70.88	75 (10)	5.24 ± 0.62 **	46.46	27 (4)
PND7	15.87 ± 0.29 **	135 (11)	13.52 ± 0.58 *	85.20	168 (17)	12.39 ± 0.90 **	78.07	71 (8)	5.92 ± 1.12 **	37.28	24 (4)
PND10	21.44 ± 0.41 **	135 (11)	18.35 ± 0.78 *	85.58	167 (17)	16.69 ± 0.98 **	77.83	71 (8)	8.52 ± 1.31 **	39.73	21 (4)
PND14	28.72 ± 0.74 **	134 (11)	24.89 ± 0.82 **	86.65	161 (17)	23.07 ± 0.83 **	80.32	71 (8)	11.55 ± 2.28 **	40.22	21 (4)
PND17	33.88 ± 0.88 **	134 (11)	30.63 ± 0.82 *	90.42	160 (17)	28.34 ± 0.69 **	83.65	71 (8)	14.81 ± 2.69 **	43.70	21 (4)
PND21	47.35 ± 1.14 **	134 (11)	42.30 ± 1.27 *	89.32	160 (17)	37.68 ± 1.64 **	79.57	71 (8)	17.92 ± 3.73 **	37.84	21 (4)
PND24	59.12 ± 1.27 **	134 (11)	53.97 ± 1.45	91.29	160 (17)	48.05 ± 2.21 **	81.28	71 (8)	20.52 ± 5.12 **	34.71	21 (4)
PND28	77.35 ± 1.55 **	134 (11)	71.14 ± 1.71	91.97	160 (17)	64.24 ± 2.72 **	83.06	71 (8)	27.23 ± 7.04 **	35.20	21 (4)

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LEGEND

N = the number of pups (number of litters)

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

PND - Postnatal Day, pups pre-weaning

Pup weights are adjusted for covariate litter size using total live on PND 1.

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 $P \leq 0.01$

The 30,000 ppm group was terminated on GD12, and the 15,000 ppm group was terminated by LD3/PND3 due to excessive toxicity.

The 15,000 ppm group was excluded from the analysis due to limited data.

Three dams were removed from the control, 1,000, and 10,000 ppm groups for biological sample collection on GD18, and one pup per sex was selected from each of three dams from the 0 and 1,000 ppm groups on PND4.

**** END OF REPORT ****