

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

R19G: Pup Mean Body Weight Gain
Test Compound: Isopropylated Phenyl Phosphate
CAS Number: 68937-41-7

Date Report Requested: 02/22/2021
Time Report Requested: 07:26:01
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	Days	0		1000		3000		10000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.71 ± 0.28 **	63 (11)	3.01 ± 0.31	93 (17)	2.58 ± 0.60	34 (8)	-0.11 ± 0.40 **	15 (4)
	4 - 7	4.77 ± 0.27 **	63 (11)	3.75 ± 0.26 *	92 (17)	3.43 ± 0.19 *	33 (7)	0.89 ± 0.28 **	12 (4)
	7 - 10	5.71 ± 0.32 **	63 (11)	4.97 ± 0.30	92 (17)	4.37 ± 0.26 *	33 (7)	2.72 ± 0.84 **	10 (4)
	10 - 14	7.44 ± 0.45 **	63 (11)	6.45 ± 0.17	90 (17)	6.23 ± 0.24	33 (7)	3.01 ± 1.30 **	10 (4)
	14 - 17	5.27 ± 0.34 **	63 (11)	5.72 ± 0.22	89 (17)	5.58 ± 0.42	33 (7)	3.27 ± 0.62 *	10 (4)
	17 - 21	13.71 ± 0.60 **	63 (11)	11.67 ± 0.50 *	89 (17)	10.21 ± 0.93 **	33 (7)	2.81 ± 1.11 **	10 (4)
	21 - 24	12.71 ± 0.35 **	63 (11)	12.20 ± 0.25	89 (17)	11.13 ± 0.99	33 (7)	2.81 ± 1.69 **	10 (4)
	24 - 28	19.88 ± 0.58 **	63 (11)	18.21 ± 0.32 *	89 (17)	17.83 ± 0.41 *	33 (7)	7.08 ± 2.45 **	10 (4)
1 - 28	73.13 ± 2.45 **	63 (11)	66.14 ± 1.67	89 (17)	61.77 ± 2.50 *	33 (7)	23.11 ± 7.81 **	10 (4)	

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F1 Females

Treatment Groups (ppm)

Phase	Days	0		1000		3000		10000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.77 ± 0.13 **	72 (11)	3.07 ± 0.28	76 (17)	2.12 ± 0.62 *	41 (9)	0.11 ± 0.47 **	12 (4)
	4 - 7	4.47 ± 0.16 **	72 (11)	3.80 ± 0.23	76 (17)	3.30 ± 0.18 *	38 (8)	0.14 ± 0.89 **	12 (4)
	7 - 10	5.31 ± 0.12 **	72 (11)	4.61 ± 0.28	75 (17)	4.29 ± 0.20 *	38 (8)	1.78 ± 0.30 **	11 (3)
	10 - 14	7.13 ± 0.40 **	71 (11)	6.43 ± 0.23	71 (17)	6.40 ± 0.29	38 (8)	4.06 ± 0.58 **	11 (3)
	14 - 17	5.11 ± 0.35 **	71 (11)	5.55 ± 0.24	71 (17)	5.25 ± 0.51	38 (8)	3.37 ± 0.61	11 (3)
	17 - 21	13.12 ± 0.48 **	71 (11)	11.46 ± 0.51	71 (17)	9.19 ± 0.97 **	38 (8)	4.24 ± 0.61 **	11 (3)
	21 - 24	11.12 ± 0.23 **	71 (11)	10.95 ± 0.23	71 (17)	9.74 ± 0.76	38 (8)	3.70 ± 0.97 **	11 (3)
	24 - 28	17.03 ± 0.31 **	71 (11)	15.38 ± 0.27 **	71 (17)	14.82 ± 0.68 **	38 (8)	7.40 ± 1.28 **	11 (3)
	1 - 28	67.15 ± 1.31 **	71 (11)	61.47 ± 1.50 *	71 (17)	55.80 ± 2.21 **	38 (8)	26.12 ± 1.34 **	11 (3)

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F1 Pups

Treatment Groups (ppm)

Phase	Days	0		1000		3000		10000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.81 ± 0.11 **	135 (11)	3.06 ± 0.29	169 (17)	1.94 ± 0.63 **	75 (10)	-0.05 ± 0.39 **	27 (4)
	4 - 7	4.60 ± 0.17 **	135 (11)	3.80 ± 0.24 *	168 (17)	3.31 ± 0.18 **	71 (8)	0.53 ± 0.53 **	24 (4)
	7 - 10	5.58 ± 0.17 **	135 (11)	4.85 ± 0.29	167 (17)	4.33 ± 0.19 *	71 (8)	2.13 ± 0.64 **	21 (4)
	10 - 14	7.25 ± 0.41 **	134 (11)	6.42 ± 0.16	161 (17)	6.32 ± 0.23	71 (8)	2.92 ± 1.27 **	21 (4)
	14 - 17	5.16 ± 0.34 **	134 (11)	5.66 ± 0.22	160 (17)	5.26 ± 0.44	71 (8)	3.24 ± 0.59 *	21 (4)
	17 - 21	13.48 ± 0.42 **	134 (11)	11.67 ± 0.49	160 (17)	9.35 ± 1.03 **	71 (8)	3.11 ± 1.09 **	21 (4)
	21 - 24	11.77 ± 0.26 **	134 (11)	11.67 ± 0.23	160 (17)	10.37 ± 0.75	71 (8)	2.60 ± 1.67 **	21 (4)
	24 - 28	18.23 ± 0.38 **	134 (11)	17.17 ± 0.32	160 (17)	16.19 ± 0.54 *	71 (8)	6.71 ± 2.14 **	21 (4)
	1 - 28	69.88 ± 1.50 **	134 (11)	64.49 ± 1.62	160 (17)	57.91 ± 2.44 **	71 (8)	22.04 ± 7.02 **	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 ****