

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

I04: Mean Body Weight Summary
Test Compound: Isopropylated Phenyl Phosphate
CAS Number: 68937-41-7

Date Report Requested: 02/22/2021
Time Report Requested: 07:21:59
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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F0 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
GD3	227.7 ± 3.8	15		225.1 ± 2.9	98.9	21	226.8 ± 2.1	99.6	12	229.2 ± 3.0	100.7	16
GD6	234.5 ± 4.4	15		233.7 ± 3.0	99.6	21	235.0 ± 2.9	100.2	12	240.5 ± 2.7	102.5	16
GD7	236.1 ± 4.8 **	15		235.2 ± 3.2	99.6	21	233.5 ± 3.1	98.9	12	227.5 ± 2.5	96.3	16
GD8	245.4 ± 4.3 **	15		243.9 ± 2.7	99.4	21	237.3 ± 3.3	96.7	12	231.8 ± 2.7 **	94.5	16
GD9	250.1 ± 4.0 **	15		246.9 ± 2.6	98.7	21	238.3 ± 3.6 *	95.3	12	229.2 ± 2.6 **	91.7	16
GD10	257.6 ± 4.3 **	15		253.7 ± 2.7	98.5	21	238.9 ± 3.6 **	92.7	12	230.1 ± 2.5 **	89.4	16
GD11	265.6 ± 4.1 **	15		259.0 ± 2.7	97.5	21	245.9 ± 3.8 **	92.6	12	230.5 ± 3.2 **	86.8	16
GD12	262.6 ± 4.2 **	15		259.8 ± 2.7	98.9	21	247.5 ± 3.4 **	94.3	12	230.6 ± 2.4 **	87.8	16
GD13	266.5 ± 4.0 **	15		262.8 ± 2.7	98.6	21	250.0 ± 4.0 **	93.8	12	234.1 ± 2.4 **	87.9	16
GD14	280.6 ± 4.5 **	15		273.4 ± 2.9	97.4	21	257.8 ± 4.4 **	91.9	12	241.2 ± 2.4 **	86.0	16
GD15	289.1 ± 5.1 **	15		281.9 ± 2.9	97.5	21	264.9 ± 4.9 **	91.6	12	247.7 ± 2.7 **	85.7	16
GD16	298.8 ± 5.1 **	15		291.5 ± 3.4	97.6	21	273.2 ± 5.7 **	91.4	12	256.0 ± 2.9 **	85.7	16
GD17	307.5 ± 5.9 **	15		300.4 ± 3.8	97.7	21	282.9 ± 6.0 **	92.0	12	262.9 ± 3.2 **	85.5	16
GD18	318.9 ± 6.2 **	15		312.3 ± 4.6	97.9	21	297.4 ± 6.8 *	93.3	12	270.8 ± 4.3 **	84.9	16
GD19	333.8 ± 8.5 **	12		328.3 ± 5.9	98.4	18	310.9 ± 7.8 *	93.1	12	281.1 ± 4.9 **	84.2	13
GD20	349.4 ± 9.7 **	12		344.6 ± 6.7	98.6	18	326.3 ± 9.2	93.4	12	290.4 ± 5.0 **	83.1	13
GD21	361.5 ± 10.5 **	12		357.5 ± 7.6	98.9	17	341.4 ± 11.3	94.4	10	303.7 ± 9.5 **	84.0	7
LD1	271.5 ± 4.6 **	12		263.5 ± 3.6	97.0	17	241.8 ± 4.3 **	89.0	12	219.3 ± 4.7 **	80.8	13
LD4	282.2 ± 5.4 **	12		266.8 ± 3.6 *	94.5	17	248.9 ± 5.2 **	88.2	12	223.7 ± 4.4 **	79.3	13
LD7	296.1 ± 6.1 **	12		274.6 ± 3.8 **	92.7	17	257.4 ± 4.8 **	86.9	12	234.9 ± 4.3 **	79.3	11
LD10	300.6 ± 5.0 **	12		281.8 ± 5.1 *	93.8	17	265.4 ± 6.1 **	88.3	12	237.6 ± 7.7 **	79.0	11
LD14	286.1 ± 7.3 **	12		279.1 ± 5.8	97.6	17	264.1 ± 6.7 *	92.3	12	242.1 ± 5.6 **	84.6	11
LD17	284.8 ± 6.4 **	12		292.5 ± 3.6	102.7	17	273.6 ± 7.1	96.1	12	245.8 ± 5.4 **	86.3	11
LD21	289.8 ± 4.9 **	12		285.1 ± 4.3	98.4	17	272.9 ± 6.0 *	94.2	12	246.0 ± 5.5 **	84.9	11
LD24	282.7 ± 5.1 **	12		279.5 ± 4.2	98.9	17	269.5 ± 5.4	95.3	12	251.2 ± 5.3 **	88.9	11
LD28	270.3 ± 4.7 *	12		267.8 ± 3.8	99.1	17	266.7 ± 4.7	98.7	12	253.1 ± 4.2 *	93.6	11

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F0 Females

Phase Day	Treatment Groups (ppm)					
	15000			30000		
	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
GD3	223.9 ± 2.3	98.4	12	226.1 ± 2.2	99.3	10
GD6	231.4 ± 2.4	98.7	12	234.5 ± 2.5	100.0	10
GD7	217.7 ± 2.3 **	92.2	12	218.7 ± 2.5 **	92.6	10
GD8	217.4 ± 2.0 **	88.6	12	209.6 ± 2.3 **	85.4	10
GD9	211.1 ± 1.6 **	84.4	12	199.6 ± 2.3 **	79.8	10
GD10	210.7 ± 1.8 **	81.8	12	194.3 ± 2.5 **	75.5	10
GD11	207.4 ± 2.4 **	78.1	12	188.5 ± 2.7 **	71.0	10
GD12	203.4 ± 2.1 **	77.5	12	178.7 ± 3.6 **	68.1	10
GD13	202.5 ± 2.8 **	76.0	12	NR		
GD14	206.8 ± 3.5 **	73.7	12	NR		
GD15	212.1 ± 3.9 **	73.4	12	NR		
GD16	216.1 ± 4.6 **	72.3	12	NR		
GD17	218.9 ± 6.7 **	71.2	12	NR		
GD18	226.4 ± 8.5 **	71.0	12	NR		
GD19	233.0 ± 9.8 **	69.8	12	NR		
GD20	239.1 ± 10.9 **	68.4	12	NR		
GD21	246.9 ± 10.5 **	68.3	11	NR		
LD1	188.1 ± 4.2 **	69.3	7	NR		
LD4	NR			NR		
LD7	NR			NR		
LD10	NR			NR		
LD14	NR			NR		
LD17	NR			NR		
LD21	NR			NR		
LD24	NR			NR		
LD28	NR			NR		

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F1 Males

Treatment Groups (ppm)

Phase Day	0		1000			3000		
	Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
PND35	120.8 ± 3.0 **	32 (7)	119.1 ± 3.1	98.6	60 (16)	105.3 ± 4.3 *	87.2	17 (7)
PND42	169.3 ± 3.2 **	32 (7)	163.8 ± 3.3	96.7	60 (16)	145.6 ± 5.7 **	86.0	17 (7)
PND49	216.6 ± 3.5 **	32 (7)	205.8 ± 3.1	95.0	60 (16)	185.5 ± 6.7 **	85.6	17 (7)

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F1 Females

Treatment Groups (ppm)

Phase Day	0		1000			3000		
	Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
PND35	104.0 ± 3.2	38 (10)	100.7 ± 2.6	96.8	43 (14)	97.2 ± 3.5	93.5	23 (7)
PND42	134.6 ± 3.4	38 (10)	130.6 ± 2.7	97.0	43 (14)	125.7 ± 3.4	93.4	23 (7)

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LEGEND

Data are displayed as mean \pm SEM

GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day

In multigenerational studies, body weights reported for all animals until mating; pregnant animals only during gestation and lactation; all animals post-weaning.

Statistical analysis for F0 animals performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical analysis for the F1 generation was performed using mixed models, with litter as a random effect for both trend and pairwise tests, and using Dunnett-Hsu adjustment for multiple 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.

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.

NR not recorded

**** END OF REPORT ****