

**Study Number:** MOG11042  
**Test Type:** MOG - Range Finding  
**Route:** Dosing in Feed  
**Species/Strain:** Rat/Harlan Sprague Dawley

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

**Date Report Requested:** 11/04/2021  
**Time Report Requested:** 16:45:25  
**Lab:** Battelle

**Study Number:** MOG11042  
**Study Gender:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.3.3  
**Stat Version:** S

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F1 Males

Phase	Days	Treatment Groups (ppm)							
		0		1000		3000		10000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.12 ± 0.16 **	75 (15)	2.90 ± 0.17	96 (16)	3.20 ± 0.13	79 (12)	1.98 ± 0.30 **	79 (15)
	4 - 7	4.08 ± 0.27 **	57 (12)	3.55 ± 0.30	74 (13)	3.48 ± 0.13	78 (12)	2.67 ± 0.17 **	56 (11)
	7 - 10	4.87 ± 0.46 **	57 (12)	5.29 ± 0.29	74 (13)	4.80 ± 0.37	77 (12)	2.99 ± 0.17 **	57 (11)
	10 - 14	7.40 ± 0.30 **	56 (12)	7.40 ± 0.37	73 (13)	6.90 ± 0.26	75 (12)	4.27 ± 0.22 **	56 (11)
	14 - 17	4.98 ± 0.26 **	56 (12)	4.48 ± 0.26	73 (13)	4.79 ± 0.32	75 (12)	3.16 ± 0.14 **	56 (11)
	17 - 21	11.67 ± 0.59 **	56 (12)	11.51 ± 0.77	74 (13)	11.22 ± 0.49	75 (12)	4.15 ± 0.32 **	56 (11)
	21 - 24	12.76 ± 0.72 **	56 (12)	12.25 ± 0.66	74 (13)	12.76 ± 0.37	75 (12)	6.82 ± 0.55 **	56 (11)
	24 - 28	16.25 ± 0.48 **	56 (12)	15.43 ± 0.45	74 (13)	16.45 ± 0.44	75 (12)	11.47 ± 0.52 **	56 (11)
1 - 28	65.32 ± 2.10 **	56 (12)	62.86 ± 2.44	74 (13)	64.02 ± 1.51	75 (12)	37.88 ± 1.58 **	56 (11)	

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**F1 Males**

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Phase	Days	Treatment Groups (ppm)	
		15000	
		WT Gain (g)	N
PND	1 - 4	0.94 ± 0.28 **	52 (10)
	4 - 7	1.34 ± 0.31 **	47 (10)
	7 - 10	1.43 ± 0.30 **	42 (9)
	10 - 14	2.26 ± 0.38 **	41 (9)
	14 - 17	1.97 ± 0.39 **	32 (8)
	17 - 21	1.37 ± 0.39 **	32 (8)
	21 - 24	2.29 ± 0.43 **	32 (8)
	24 - 28	4.23 ± 0.94 **	31 (8)
	1 - 28	16.01 ± 2.26 **	31 (8)

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F1 Females

Phase	Days	Treatment Groups (ppm)							
		0		1000		3000		10000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.03 ± 0.15 **	101 (15)	2.65 ± 0.21	90 (16)	2.89 ± 0.06	77 (12)	1.92 ± 0.25 **	92 (14)
	4 - 7	3.77 ± 0.21 **	81 (12)	3.31 ± 0.27	70 (13)	3.33 ± 0.11	76 (12)	2.43 ± 0.09 **	69 (11)
	7 - 10	4.94 ± 0.26 **	81 (12)	4.57 ± 0.48	69 (13)	4.47 ± 0.21	78 (12)	2.61 ± 0.24 **	69 (11)
	10 - 14	6.93 ± 0.28 **	80 (12)	7.06 ± 0.37	67 (12)	6.55 ± 0.19	78 (12)	3.94 ± 0.20 **	67 (11)
	14 - 17	4.52 ± 0.29 **	80 (12)	4.38 ± 0.28	67 (12)	4.41 ± 0.25	78 (12)	2.85 ± 0.14 **	66 (11)
	17 - 21	10.67 ± 0.33 **	80 (12)	10.94 ± 0.63	67 (12)	10.01 ± 0.34	78 (12)	3.92 ± 0.29 **	66 (11)
	21 - 24	11.48 ± 0.59 **	80 (12)	11.22 ± 0.62	67 (12)	10.87 ± 0.40	78 (12)	6.34 ± 0.53 **	66 (11)
	24 - 28	13.91 ± 0.24 **	80 (12)	13.64 ± 0.44	67 (12)	13.67 ± 0.57	78 (12)	9.27 ± 0.35 **	66 (11)
	1 - 28	59.37 ± 1.32 **	80 (12)	58.82 ± 1.77	67 (12)	56.21 ± 1.23	78 (12)	33.63 ± 1.17 **	66 (11)

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**F1 Females**

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Phase	Days	Treatment Groups (ppm)	
		15000	
		WT Gain (g)	N
PND	1 - 4	1.08 ± 0.24 **	51 (10)
	4 - 7	1.12 ± 0.31 **	46 (10)
	7 - 10	1.26 ± 0.27 **	41 (9)
	10 - 14	2.53 ± 0.56 **	40 (9)
	14 - 17	1.82 ± 0.32 **	34 (8)
	17 - 21	1.54 ± 0.40 **	34 (8)
	21 - 24	2.62 ± 0.59 **	34 (8)
	24 - 28	3.17 ± 0.98 **	32 (8)
	1 - 28	15.72 ± 2.79 **	32 (8)

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F1 Pups

Phase	Days	Treatment Groups (ppm)							
		0		1000		3000		10000	
		WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N	WT Gain (g)	N
PND	1 - 4	3.07 ± 0.15 **	176 (15)	2.81 ± 0.17	186 (16)	3.05 ± 0.09	156 (12)	1.81 ± 0.31 **	171 (15)
	4 - 7	3.92 ± 0.22 **	138 (12)	3.42 ± 0.29	144 (13)	3.45 ± 0.10	154 (12)	2.57 ± 0.10 **	125 (11)
	7 - 10	4.93 ± 0.30 **	138 (12)	4.97 ± 0.32	143 (13)	4.71 ± 0.25	155 (12)	2.78 ± 0.18 **	126 (11)
	10 - 14	7.09 ± 0.26 **	136 (12)	7.16 ± 0.35	140 (13)	6.68 ± 0.21	153 (12)	4.10 ± 0.20 **	123 (11)
	14 - 17	4.70 ± 0.27 **	136 (12)	4.36 ± 0.26	140 (13)	4.61 ± 0.28	153 (12)	3.00 ± 0.14 **	122 (11)
	17 - 21	11.13 ± 0.41 **	136 (12)	11.05 ± 0.72	141 (13)	10.58 ± 0.40	153 (12)	4.07 ± 0.29 **	122 (11)
	21 - 24	12.00 ± 0.60 **	136 (12)	11.70 ± 0.61	141 (13)	11.80 ± 0.43	153 (12)	6.51 ± 0.49 **	122 (11)
	24 - 28	14.90 ± 0.31 **	136 (12)	14.58 ± 0.38	141 (13)	15.03 ± 0.50	153 (12)	10.34 ± 0.35 **	122 (11)
	1 - 28	61.95 ± 1.48 **	136 (12)	60.30 ± 2.21	141 (13)	60.06 ± 1.42	153 (12)	35.69 ± 1.26 **	122 (11)

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Phase	Days	Treatment Groups (ppm)	
		15000	
		WT Gain (g)	N
PND	1 - 4	1.06 ± 0.23 **	103 (10)
	4 - 7	1.24 ± 0.30 **	93 (10)
	7 - 10	1.32 ± 0.27 **	83 (9)
	10 - 14	2.40 ± 0.45 **	81 (9)
	14 - 17	1.88 ± 0.35 **	66 (8)
	17 - 21	1.46 ± 0.39 **	66 (8)
	21 - 24	2.42 ± 0.52 **	66 (8)
	24 - 28	3.78 ± 0.90 **	63 (8)
	1 - 28	15.91 ± 2.47 **	63 (8)

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#### LEGEND

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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.

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 due to excessive toxicity on GD12.

Three dams were removed from the control, 1000, and 10000 ppm groups for biological sample collection on GD18, and three dams and their litters were removed from these groups on LD4.

**\*\* END OF REPORT \*\***