

**Study Number:** C15011B-01  
**Test Type:** TOX  
**Route:** Whole-Body Inhalation  
**Species/Strain:** Rat/Harlan Sprague Dawley

**R19: Pup Mean Body Weight Summary**  
**Test Compound:** 2-Ethyltoluene  
**CAS Number:** 611-14-3

**Date Report Requested:** 03/29/2021  
**Time Report Requested:** 14:36:15  
**Lab:** Battelle

**Study Number:** C15011B-01  
**Study Gender:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.1.9

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F1 Males

Treatment Groups (ppm)

Phase Day	0		150			300			600		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	6.97 ± 0.14 **	75 (12)	6.47 ± 0.16	92.84	61 (12)	6.50 ± 0.13	93.23	58 (11)	6.48 ± 0.17	92.97	60 (11)
PND4	10.85 ± 0.25 **	75 (12)	10.12 ± 0.18	93.32	60 (12)	10.09 ± 0.19	93.03	58 (11)	10.01 ± 0.23	92.29	58 (11)
PND7	16.89 ± 0.31 **	48 (12)	16.07 ± 0.40	95.12	42 (12)	16.14 ± 0.34	95.58	44 (11)	15.89 ± 0.56	94.05	42 (11)
PND10	24.57 ± 0.41 **	48 (12)	23.23 ± 0.43	94.57	42 (12)	23.42 ± 0.48	95.35	44 (11)	22.99 ± 0.72	93.57	42 (11)
PND13	32.40 ± 0.54 **	48 (12)	30.75 ± 0.52	94.91	42 (12)	30.71 ± 0.53	94.79	44 (11)	30.36 ± 0.81	93.69	42 (11)
PND16	40.21 ± 0.63 **	48 (12)	38.54 ± 0.63	95.83	42 (12)	38.57 ± 0.63	95.91	44 (11)	38.04 ± 0.74	94.58	42 (11)
PND19	48.77 ± 0.90 **	48 (12)	47.93 ± 0.60	98.28	42 (12)	48.52 ± 0.97	99.50	44 (11)	48.08 ± 0.84	98.59	42 (11)
PND21	58.07 ± 1.00 **	47 (12)	56.24 ± 0.72	96.85	42 (12)	57.71 ± 0.86	99.38	44 (11)	57.02 ± 0.97	98.19	42 (11)

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F1 Males

Phase Day	Treatment Groups (ppm)		
	900		
	WT (g)	% of CNTL	N
PND1	5.29 ± 0.49 **	75.85	18 (5)
PND4	7.23 ± 1.19 **	66.64	17 (5)
PND7	12.76 ± 1.55 **	75.56	13 (5)
PND10	18.72 ± 2.08 **	76.22	13 (5)
PND13	24.53 ± 2.61 **	75.69	13 (5)
PND16	31.53 ± 2.94 **	78.40	13 (5)
PND19	39.37 ± 3.99 **	80.73	13 (5)
PND21	47.46 ± 4.95 **	81.73	13 (5)

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F1 Females

Treatment Groups (ppm)

Phase Day	0		150			300			600		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	6.65 ± 0.12 **	79 (12)	6.26 ± 0.13	94.21	88 (12)	6.15 ± 0.11 *	92.41	61 (11)	6.29 ± 0.13	94.57	64 (11)
PND4	10.29 ± 0.18 **	79 (12)	9.79 ± 0.20	95.18	88 (12)	9.66 ± 0.17	93.91	61 (11)	9.85 ± 0.25	95.73	64 (11)
PND7	16.16 ± 0.26 **	48 (12)	15.76 ± 0.38	97.53	54 (12)	15.52 ± 0.37	96.07	44 (11)	15.52 ± 0.55	96.04	42 (11)
PND10	23.48 ± 0.34 **	48 (12)	22.79 ± 0.47	97.06	54 (12)	22.68 ± 0.52	96.61	43 (11)	22.10 ± 0.68	94.13	42 (11)
PND13	31.18 ± 0.53 **	48 (12)	30.13 ± 0.61	96.65	54 (12)	29.66 ± 0.57	95.14	43 (11)	29.20 ± 0.67	93.65	42 (11)
PND16	38.60 ± 0.64 **	48 (12)	37.29 ± 0.70	96.61	54 (12)	37.21 ± 0.63	96.38	43 (11)	36.62 ± 0.66	94.88	42 (11)
PND19	46.75 ± 0.91 **	48 (12)	46.36 ± 0.84	99.16	54 (12)	46.37 ± 0.93	99.18	43 (11)	46.25 ± 0.89	98.93	42 (11)
PND21	54.96 ± 0.91 **	48 (12)	54.15 ± 0.85	98.54	54 (12)	54.55 ± 0.91	99.26	43 (11)	54.16 ± 1.03	98.56	42 (11)

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**F1 Females**

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Phase Day	Treatment Groups (ppm)		
	900		
	WT (g)	% of CNTL	N
PND1	5.29 ± 0.27 **	79.61	33 (6)
PND4	7.66 ± 0.59 **	74.48	32 (6)
PND7	12.93 ± 0.89 **	80.02	24 (6)
PND10	18.75 ± 1.15 **	79.85	24 (6)
PND13	24.78 ± 1.39 **	79.47	24 (6)
PND16	31.28 ± 1.52 **	81.03	24 (6)
PND19	39.12 ± 2.23 **	83.67	24 (6)
PND21	46.74 ± 2.31 **	85.05	24 (6)

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F1 Pups

Treatment Groups (ppm)

Phase Day	0			150			300			600		
	WT (g)	N		WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1	6.80 ± 0.13 **	154 (12)		6.36 ± 0.13	93.53	149 (12)	6.30 ± 0.12 *	92.71	119 (11)	6.39 ± 0.13	93.95	124 (11)
PND4	10.53 ± 0.20 **	154 (12)		9.93 ± 0.19	94.36	148 (12)	9.83 ± 0.17	93.39	119 (11)	9.93 ± 0.22	94.36	122 (11)
PND7	16.52 ± 0.26 **	96 (12)		15.90 ± 0.36	96.24	96 (12)	15.77 ± 0.34	95.50	88 (11)	15.61 ± 0.47	94.53	84 (11)
PND10	24.01 ± 0.34 **	96 (12)		23.02 ± 0.41	95.87	96 (12)	22.99 ± 0.47	95.74	87 (11)	22.44 ± 0.61	93.47	84 (11)
PND13	31.78 ± 0.50 **	96 (12)		30.44 ± 0.52	95.81	96 (12)	30.12 ± 0.52	94.80	87 (11)	29.64 ± 0.59	93.26	84 (11)
PND16	39.39 ± 0.60 **	96 (12)		37.88 ± 0.61	96.17	96 (12)	37.81 ± 0.58	96.00	87 (11)	37.21 ± 0.55	94.46	84 (11)
PND19	47.74 ± 0.87 **	96 (12)		47.07 ± 0.70	98.60	96 (12)	47.28 ± 0.85	99.04	87 (11)	47.04 ± 0.69	98.53	84 (11)
PND21	56.46 ± 0.91 **	95 (12)		55.17 ± 0.70	97.71	96 (12)	55.98 ± 0.76	99.15	87 (11)	55.41 ± 0.78	98.14	84 (11)

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**F1 Pups**

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Phase Day	Treatment Groups (ppm)		
	900		
	WT (g)	% of CNTL	N
PND1	5.37 ± 0.30 **	79.02	51 (6)
PND4	7.68 ± 0.68 **	72.99	49 (6)
PND7	13.20 ± 1.01 **	79.91	37 (6)
PND10	19.20 ± 1.32 **	79.97	37 (6)
PND13	25.28 ± 1.60 **	79.55	37 (6)
PND16	32.07 ± 1.77 **	81.42	37 (6)
PND19	40.10 ± 2.54 **	84.00	37 (6)
PND21	48.15 ± 2.78 **	85.28	37 (6)

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LEGEND

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N = the number of pups (number of litters)

PND4 weights are precull if litters are culled on postnatal day 4.

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 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.

Unadjusted pup weights may also be reported for select postnatal 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  $P \leq 0.01$

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