

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

I04G: Mean Body Weight Gain
Test Compound: 2-Ethyltoluene
CAS Number: 611-14-3

Date Report Requested: 03/29/2021
Time Report Requested: 14:28:03
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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F0 Females

Treatment Groups (ppm)

Phase	Days	0		150		300		600		900		1200	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
Gestation	2 - 6	13.5 ± 1.2	12	11.6 ± 1.1	12	13.1 ± 1.0	11	13.4 ± 1.4	12	10.1 ± 2.0	12	13.4 ± 1.4	12
	6 - 9	9.4 ± 1.4 **	12	-14.2 ± 2.8 **	12	-23.0 ± 2.2 **	11	-28.4 ± 1.2 **	12	-24.9 ± 3.4 **	11	-22.3 ± 1.9 **	7
	9 - 12	15.3 ± 0.8 **	12	11.1 ± 1.9	12	8.7 ± 1.4 *	11	8.7 ± 3.4 *	12	1.7 ± 3.2 **	8	NR	
	12 - 15	16.8 ± 1.1 *	12	23.3 ± 1.2 *	12	18.3 ± 1.4	11	14.7 ± 2.0	12	6.3 ± 3.9 **	8	NR	
	15 - 18	39.9 ± 1.8 **	12	41.6 ± 1.4	12	39.9 ± 1.7	11	33.6 ± 3.3	12	23.9 ± 5.8 **	8	NR	
	18 - 21	42.6 ± 1.7 **	12	35.2 ± 2.1 *	12	31.0 ± 1.8 **	11	25.4 ± 2.9 **	12	19.0 ± 4.5 **	8	NR	
	6 - 21	123.9 ± 4.2 **	12	97.1 ± 5.1 **	12	75.0 ± 3.1 **	11	54.0 ± 9.7 **	12	27.4 ± 12.6 **	8	NR	
Lactation	1 - 4	12.4 ± 1.5	12	18.1 ± 1.8	12	20.8 ± 2.2 *	11	18.3 ± 1.9	11	12.3 ± 3.4	6	NR	
	4 - 7	10.4 ± 2.9	12	11.9 ± 2.5	12	16.2 ± 1.3	11	13.2 ± 2.0	11	16.2 ± 2.7	6	NR	
	7 - 10	14.9 ± 3.3	12	21.0 ± 2.2	12	15.8 ± 2.3	11	14.3 ± 2.1	11	13.5 ± 3.2	6	NR	
	10 - 13	5.7 ± 2.8	12	1.0 ± 2.9	12	5.3 ± 2.4	11	8.4 ± 1.6	11	10.2 ± 2.7	6	NR	
	13 - 16	-3.0 ± 2.5 **	12	1.7 ± 2.4	12	-1.6 ± 2.5	11	4.9 ± 2.0 *	11	7.9 ± 2.8 **	6	NR	
	16 - 19	-5.2 ± 2.4 *	12	-1.5 ± 3.1	12	5.0 ± 3.4	11	5.2 ± 3.2	11	4.9 ± 4.2	6	NR	
	19 - 21	-7.7 ± 1.2 *	12	-6.9 ± 2.4	12	-11.8 ± 3.2	11	-12.3 ± 2.7	11	-12.5 ± 2.4	6	NR	
1 - 21	27.5 ± 3.0 **	12	45.3 ± 2.7 **	12	49.8 ± 2.9 **	11	52.1 ± 3.6 **	11	52.6 ± 3.5 **	6	NR		

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F1 Males: F1 Males

Phase	Days	Treatment Groups (ppm)					
		0		150		300	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
PND	29 - 31	12.7 ± 0.4 **	14	11.4 ± 1.8	8	9.4 ± 0.9 *	8
	31 - 35	29.4 ± 0.6 *	14	21.0 ± 1.9 **	8	26.5 ± 0.7	8
	35 - 39	28.2 ± 0.8 *	14	22.1 ± 0.5 **	8	26.0 ± 1.3	8
	29 - 39	70.3 ± 1.6 **	14	54.4 ± 1.4 **	8	62.0 ± 2.3 **	8

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F1 Females: F1 Females

Phase	Days	Treatment Groups (ppm)					
		0		150		300	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
PND	29 - 31	10.9 ± 0.3 **	14	8.2 ± 0.6 **	8	7.8 ± 0.3 **	8
	31 - 35	22.8 ± 0.7 *	14	19.7 ± 0.8 *	8	20.3 ± 0.9	8
	35 - 39	18.7 ± 0.6	14	18.7 ± 0.6	8	17.8 ± 1.0	8
	29 - 39	52.4 ± 1.1 **	14	46.6 ± 1.4 **	8	45.9 ± 1.6 **	8

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LEGEND

Data are displayed as mean \pm SEM

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

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

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 $P \leq 0.01$

F1 Biosample Animals were combined and analyzed with F1 Core Animals in the 0 ppm dose group.

NR not recorded

**** END OF REPORT ****