

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

PA06: Organ Weights Summary
Test Compound: 2-Ethyltoluene
CAS Number: 611-14-3

Date Report Requested: 03/29/2021
Time Report Requested: 14:34:33
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: F1 Core

	Treatment Groups (ppm)								
	0			150			300		
Terminal Body Wt. (g)	165.9	± 4.7	(8)	135.1	± 2.5	(8) **	144.5	± 3.7	(8) **
R. Epididymis									
Absolute (g)	0.1158	± 0.0064	(8)	0.0968	± 0.0046	(8)	0.0968	± 0.0061	(8)
Relative (mg/g)	0.70	± 0.04	(8)	0.72	± 0.03	(8)	0.67	± 0.04	(8)
L. Epididymis									
Absolute (g)	0.1180	± 0.0059	(8)	0.1044	± 0.0090	(8)	0.0992	± 0.0046	(8)
Relative (mg/g)	0.72	± 0.05	(8)	0.77	± 0.06	(8)	0.69	± 0.03	(8)
Heart									
Absolute (g)	0.76	± 0.02	(8) *	0.60	± 0.01	(8) **	0.65	± 0.02	(8) **
Relative (mg/g)	4.58	± 0.05	(8)	4.44	± 0.08	(8)	4.51	± 0.09	(8)
R. Kidney									
Absolute (g)	0.71	± 0.02	(8)	0.60	± 0.02	(8) **	0.65	± 0.02	(8)
Relative (mg/g)	4.27	± 0.06	(8)	4.40	± 0.11	(8)	4.48	± 0.08	(8)
L. Kidney									
Absolute (g)	0.70	± 0.02	(8)	0.59	± 0.02	(8) **	0.64	± 0.02	(8)
Relative (mg/g)	4.24	± 0.08	(8)	4.33	± 0.11	(8)	4.44	± 0.11	(8)
Liver									
Absolute (g)	7.81	± 0.30	(8)	6.46	± 0.12	(8) **	7.09	± 0.27	(8)
Relative (mg/g)	47.02	± 0.72	(8)	47.87	± 0.98	(8)	48.94	± 0.83	(8)
Lung									
Absolute (g)	1.56	± 0.17	(8)	1.22	± 0.06	(8)	1.76	± 0.09	(8)
Relative (mg/g)	9.36	± 0.88	(8) *	9.04	± 0.51	(8)	12.29	± 0.80	(8) *
R. Testis									
Absolute (g)	0.969	± 0.028	(8) *	0.858	± 0.026	(8) *	0.876	± 0.032	(8)
Relative (mg/g)	5.85	± 0.09	(8)	6.36	± 0.18	(8) *	6.06	± 0.16	(8)
L. Testis									
Absolute (g)	0.956	± 0.024	(8) *	0.856	± 0.019	(8) *	0.882	± 0.037	(8)
Relative (mg/g)	5.77	± 0.10	(8)	6.34	± 0.13	(8) *	6.11	± 0.20	(8)

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F1 Males: F1 Core

Treatment Groups (ppm)

0

150

300

Thymus

Absolute (g) 0.595 ± 0.020 (8) **

0.440 ± 0.015 (8) **

0.464 ± 0.027 (8) **

Relative (mg/g) 3.59 ± 0.08 (8) *

3.26 ± 0.11 (8)

3.20 ± 0.13 (8) *

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F1 Females: F1 Core

	Treatment Groups (ppm)								
	0			150			300		
Terminal Body Wt. (g)	139.1	± 4.2	(8) **	123.2	± 2.6	(8) **	121.0	± 3.1	(8) **
Heart									
Absolute (g)	0.68	± 0.02	(8) *	0.59	± 0.02	(8) *	0.60	± 0.03	(8)
Relative (mg/g)	4.88	± 0.16	(8)	4.76	± 0.14	(8)	4.93	± 0.16	(8)
R. Kidney									
Absolute (g)	0.62	± 0.02	(8) **	0.57	± 0.02	(8)	0.52	± 0.02	(8) **
Relative (mg/g)	4.48	± 0.07	(8)	4.64	± 0.12	(8)	4.31	± 0.11	(8)
L. Kidney									
Absolute (g)	0.61	± 0.02	(8) *	0.57	± 0.03	(8)	0.53	± 0.02	(8) *
Relative (mg/g)	4.41	± 0.07	(8)	4.61	± 0.15	(8)	4.41	± 0.07	(8)
Liver									
Absolute (g)	6.73	± 0.21	(8) **	5.78	± 0.11	(8) **	5.71	± 0.22	(8) **
Relative (mg/g)	48.40	± 0.63	(8)	47.03	± 1.07	(8)	47.18	± 1.19	(8)
Lung									
Absolute (g)	1.65	± 0.17	(8)	1.11	± 0.06	(8) **	1.48	± 0.10	(8)
Relative (mg/g)	11.92	± 1.17	(8)	9.02	± 0.55	(8)	12.31	± 0.87	(8)
R. Ovary									
Absolute (g)	0.0310	± 0.0022	(8) *	0.0231	± 0.0036	(8)	0.0197	± 0.0022	(8) *
Relative (mg/g)	0.22	± 0.01	(8)	0.19	± 0.03	(8)	0.16	± 0.02	(8)
L. Ovary									
Absolute (g)	0.0316	± 0.0031	(8) *	0.0255	± 0.0028	(8)	0.0206	± 0.0026	(8) *
Relative (mg/g)	0.23	± 0.02	(8)	0.21	± 0.02	(8)	0.17	± 0.02	(8)
Thymus									
Absolute (g)	0.515	± 0.023	(8) **	0.414	± 0.020	(8) **	0.397	± 0.016	(8) **
Relative (mg/g)	3.70	± 0.13	(8)	3.36	± 0.16	(8)	3.30	± 0.14	(8)

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

Statistical analysis for F1 Core animals was 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 $P \leq 0.01$

**** END OF REPORT ****