

**Study Number:** C16019-01  
**Test Type:** TOX - Perinatal DRF  
**Route:** Dosing in Water  
**Species/Strain:** Rat/Harlan Sprague Dawley

**I07: Mean Water Consumption**  
**Test Compound:** Thallium (I) Sulfate  
**CAS Number:** 7446-18-6

**Date Report Requested:** 01/03/2022  
**Time Report Requested:** 17:06:27  
**Lab:** Battelle

**Study Number:** C16019-01  
**Study Gender:** Female  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.3.5  
**Stat Version:** S

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F0 Females

Treatment Groups (mg/L)

Phase	Days	0			3.13			6.25		
		Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N
Gestation	6 - 9	32.7 ± 1.2	130.4 ± 4.5	20	33.1 ± 1.1	133.6 ± 4.2	12	32.8 ± 0.8	131.9 ± 3.6	20
	9 - 12	34.9 ± 1.0 *	131.7 ± 3.5 *	20	34.9 ± 1.0	132.3 ± 3.4	12	35.1 ± 0.9	133.6 ± 3.4	20
	12 - 15	37.7 ± 1.2 **	133.5 ± 4.2 **	20	37.4 ± 0.7	133.1 ± 2.5	12	37.0 ± 1.1	131.9 ± 4.5	20
	15 - 18	46.8 ± 2.0	146.1 ± 5.7	20	46.6 ± 1.0	149.6 ± 4.0	12	47.6 ± 1.3	151.6 ± 4.0	20
	18 - 21	45.5 ± 1.9 *	124.6 ± 4.6	17	45.6 ± 1.4	128.4 ± 4.5	12	44.3 ± 1.1	123.4 ± 3.3	17
	6 - 21	40.0 ± 1.5 *	133.5 ± 4.4	17	39.5 ± 0.8	134.0 ± 2.9	12	39.2 ± 1.0	132.2 ± 3.4	17
Lactation	1 - 4	52.0 ± 1.3 *	179.1 ± 4.2 **	17	51.4 ± 1.2	178.9 ± 5.5	12	52.9 ± 1.5	181.4 ± 4.5	17
	4 - 7	66.2 ± 2.3 *	219.7 ± 7.5 **	14	71.0 ± 2.2	235.8 ± 8.3	12	70.1 ± 2.2	231.5 ± 6.4	14
	7 - 10	81.8 ± 2.7 *	261.8 ± 7.7 **	14	85.7 ± 2.1	275.1 ± 6.6	12	84.3 ± 2.7	269.6 ± 7.9	14
	10 - 13	93.6 ± 3.4 *	296.2 ± 10.6 *	14	98.2 ± 2.8	310.8 ± 11.0	12	95.6 ± 2.4	302.0 ± 6.9	14
	1 - 13	73.2 ± 2.1 **	241.7 ± 6.7 **	14	76.6 ± 1.7	252.7 ± 6.8	12	75.8 ± 2.0	249.0 ± 6.1	14

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Treatment Groups (mg/L)

Phase	Days	12.5			25			50		
		Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N
Gestation	6 - 9	31.9 ± 0.9	128.3 ± 2.9	12	32.0 ± 0.9	127.1 ± 3.3	20	30.0 ± 1.3	120.3 ± 4.7	12
	9 - 12	33.8 ± 1.2	129.0 ± 3.7	12	33.3 ± 1.0	125.4 ± 3.3	20	32.0 ± 1.7	122.5 ± 6.7	12
	12 - 15	35.3 ± 1.1	126.7 ± 3.0	12	34.7 ± 1.0	123.2 ± 3.4	20	27.3 ± 1.8 **	105.5 ± 5.8 **	11
	15 - 18	44.8 ± 2.0	143.8 ± 5.7	12	49.2 ± 1.7	161.1 ± 5.4	20	NA	NA	
	18 - 21	44.6 ± 1.9	124.8 ± 4.4	12	38.1 ± 2.4	117.0 ± 5.6	15	NA	NA	
	6 - 21	38.1 ± 1.3	129.1 ± 3.6	12	36.8 ± 1.0	129.1 ± 3.1	15	NA	NA	
Lactation	1 - 4	57.6 ± 1.9	202.7 ± 4.3 **	12	NA	NA	NA	NA		
	4 - 7	75.0 ± 2.3 *	252.6 ± 5.6 **	12	NA	NA	NA	NA		
	7 - 10	91.0 ± 2.0 *	293.8 ± 4.9 **	12	NA	NA	NA	NA		
	10 - 13	104.9 ± 1.8 *	334.7 ± 6.0 *	12	NA	NA	NA	NA		
	1 - 13	82.1 ± 1.7 **	273.9 ± 3.8 **	12	NA	NA	NA	NA		

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#### LEGEND

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Reported as the mean  $\pm$  SEM. N is the number of animals, number of cages for group housed adult animals or number of litters.

Water consumption values were excluded when excessive spillage was recorded.

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (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  $P \leq 0.01$

Consumption is not reported for the non-pregnant animals during gestation and lactation phases

Consumption is not reported for animals during mating

NA - Not Available

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