

**Study Number:** C11042B-01  
**Test Type:** TOX with Perinatal Exposure  
**Route:** Dosing in Feed  
**Species/Strain:** Rat/Harlan Sprague Dawley

**N02: Brain Measurements Summary**  
**Test Compound:** Triphenyl Phosphate (TPHP)  
**CAS Number:** 115-86-6

**Date Report Requested:** 05/22/2026  
**Time Report Requested:** 10:54:42  
**Lab:** Battelle

**Study Number:** C11042B-01  
**Study Sex:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.7.8  
**Stat Version:** 2021.08.23S

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**F1 Male: Neurobehavioral Cohort**

	Treatment Groups (ppm)					
	0	30	100	300	1000	3000
Terminal Body Weight (g)	455.9 ± 7.8 (13) **	445.6 ± 8.3 (15)	435.7 ± 8.2 (15)	447.5 ± 5.4 (15)	439.8 ± 7.1 (15)	419.4 ± 8.3 (15) **
Brain Weight (g)	1.95 ± 0.02 (13)	1.93 ± 0.02 (15)	1.95 ± 0.02 (15)	1.92 ± 0.02 (15)	1.95 ± 0.02 (15)	1.91 ± 0.02 (15)
Relative Brain Weight (mg/g)	4.28 ± 0.07 (13) **	4.35 ± 0.07 (15)	4.49 ± 0.08 (15)	4.30 ± 0.07 (15)	4.45 ± 0.06 (15)	4.58 ± 0.07 (15) **
Brain Length (mm)	20.3 ± 0.2 (13)	20.6 ± 0.2 (15)	20.6 ± 0.2 (15)	20.7 ± 0.2 (15)	20.8 ± 0.1 (15)	20.5 ± 0.2 (15)
Brain Width (mm)	14.8 ± 0.1 (13)	14.6 ± 0.2 (15)	14.7 ± 0.1 (15)	14.7 ± 0.1 (15)	14.9 ± 0.1 (15)	14.7 ± 0.1 (15)

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**F1 Female: Neurobehavioral Cohort**

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**Treatment Groups (ppm)**

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	<b>0</b>	<b>30</b>	<b>100</b>	<b>300</b>	<b>1000</b>	<b>3000</b>
Terminal Body Weight (g)	272.0 ± 5.4 (14) **	266.8 ± 4.7 (15)	265.7 ± 5.4 (15)	259.0 ± 4.5 (15)	251.5 ± 4.2 (15) **	251.7 ± 3.7 (15) **
Brain Weight (g)	1.84 ± 0.02 (14)	1.84 ± 0.02 (15)	1.83 ± 0.02 (15)	1.82 ± 0.02 (15)	1.80 ± 0.02 (15)	1.83 ± 0.02 (15)
Relative Brain Weight (mg/g)	6.81 ± 0.14 (14) **	6.92 ± 0.11 (15)	6.91 ± 0.16 (15)	7.06 ± 0.10 (15)	7.19 ± 0.13 (15) *	7.28 ± 0.09 (15) *
Brain Length (mm)	20.1 ± 0.1 (14)	20.1 ± 0.2 (15)	19.9 ± 0.2 (15)	19.9 ± 0.1 (15)	20.2 ± 0.2 (15)	19.7 ± 0.2 (15)
Brain Width (mm)	14.4 ± 0.1 (14)	14.6 ± 0.1 (15)	14.5 ± 0.1 (15)	14.5 ± 0.1 (15)	14.5 ± 0.1 (15)	14.3 ± 0.2 (15)

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## LEGEND

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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 performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests unless otherwise noted.

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  $p \leq 0.01$

SEM = Standard Error of the Mean

Females were removed from PND 138 to 144. Males were removed from PND 138 to 145.

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