

Study Number: C10333-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Sprague Dawley

C Number:

Study Gender:

PWG Approval Date

R07: Hormone Summary

Test Compound: Bis(2-ethylhexyl) tetrabromophthalate

CAS Number: 26040-51-7

C10333-01

Male

See web page for date of PWG Approval

Date Report Requested: 04/08/2019

Time Report Requested: 11:45:14

Lab: Battelle

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Male: Core Males

Terminal Sacrifice	Treatment Groups (mg/kg)			
	0	0.07	0.71	7.06
SD 5 - 5 Thyroid Stimulating Hormone (ng/mL)	20.1 ± 2.9 (5)	21.0 ± 2.8 (6)	23.6 ± 2.3 (6)	25.5 ± 3.0 (6)
SD 5 - 5 Triiodothyronine (ng/dL)	155.700 ± 8.408 (5)	136.500 ± 5.509 (6)	150.167 ± 8.711 (6)	156.583 ± 11.498 (6)
SD 5 - 5 Free Thyroxine (ng/dL)	2.104 ± 0.217 (5)	1.822 ± 0.146 (6)	1.797 ± 0.071 (6)	2.048 ± 0.135 (6)
SD 5 - 5 Total Thyroxine (ug/dL)	6.15 ± 0.38 (6)	6.23 ± 0.30 (6)	5.80 ± 0.35 (6)	6.00 ± 0.31 (6)

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**Terminal
Sacrifice**

Treatment Groups (mg/kg)

70.6

706

SD 5 - 5	Thyroid Stimulating Hormone (ng/mL)	32.0 ± 3.4 (5)	21.3 ± 2.5 (6)
SD 5 - 5	Triiodothyronine (ng/dL)	143.900 ± 11.596 (5)	122.217 ± 6.395 (6)
SD 5 - 5	Free Thyroxine (ng/dL)	2.123 ± 0.208 (6)	1.932 ± 0.143 (6)
SD 5 - 5	Total Thyroxine (ug/dL)	6.18 ± 0.40 (6)	5.45 ± 0.48 (6)

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LEGEND

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

SD – Study Day

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests (unless otherwise noted).

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

Statistical significance for the control group indicates a significant trend test

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****