

**Study Number:** C10987

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**C Number:**

**Study Gender:**

**PWG Approval Date**

**R02: Reproductive Performance Summary**

**Test Compound:** Dibutyl Phthalate

**CAS Number:** 84-74-2

C10987

Both

See web page for date of PWG Approval

**Date Report Requested:** 12/20/2019

**Time Report Requested:** 06:11:58

**Lab:** NTP

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**F0 Female**

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**Treatment Groups (ppm)**

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	<b>0</b>	<b>300</b>	<b>1000</b>	<b>3000</b>	<b>10000</b>
No. Females Mated	45	45	45	45	47
No. Females Pregnant	40	34	39	38	37
No. Females Littering	35	27	33	35	32
Percent of Pregnant Females/Mated	88.9	75.6	86.7	84.4	78.7
Percent of Littered Females/Mated	77.8	60.0	73.3	77.8	68.1
Percent of Littered Females/Pregnant	87.5	79.4	84.6	92.1	86.5
Gestational Length	22.2 ± 0.1 (35)	22.1 ± 0.1 (27)	22.0 ± 0.0 (33)	22.2 ± 0.1 (35)	22.1 ± 0.1 (32)

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LEGEND

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F0 time mated females were vendor provided so endpoints involving number of females paired, and pre-coital interval were not calculated. Pregnancy was defined as evidence of implantation or littering. Vendor's time of confirmation of mating was utilized for calculation of F0 gestational length.

Gestation length in days calculated for sperm positive females that delivered a litter.

Animals that died or were removed from study between mating and littering were excluded from the littered/paired, littered/mated, and littered/pregnant endpoints.

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) 2-sided tests for the Percent of Mated Females/Paired; Percent of Littered Females/Paired; Percent of Pregnant Females/Mated; Percent of Littered Females/Mated; Percent of Littered Females/Pregnant endpoints if present.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests for the Pre-coital Interval and Gestational Length endpoints if present.

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 \*\***