

**Study Number:** MOG08002  
**Test Type:** MOG - Range Finding  
**Route:** Dosing in Feed  
**Species/Strain:** Rat/Sprague-Dawley

**R02: Reproductive Performance Summary**

**Test Compound:** Bisphenol AF  
**CAS Number:** 1478-61-1

**Date Report Requested:** 05/05/2020  
**Time Report Requested:** 06:25:06  
**Lab:** RTI

**Study Number:**

MOG08002

**Study Gender:**

Female

**PWG Approval Date**

See web page for date of PWG Approval

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**F0 Female**

**Treatment Groups (ppm)**

	<b>0</b>	<b>937.5</b>	<b>1875</b>	<b>3750</b>	<b>7500</b>	<b>15000</b>
No. Females Mated	15	15	15	15	15	15
No. Females Pregnant	12	7	13	10	10	12
No. Females Littering	7	4	10	7	6	0
Percent of Pregnant Females/Mated	80.0	46.7	86.7	66.7	66.7	80.0
Percent of Littered Females/Mated	58.3	33.3	83.3	58.3	50.0	0.0
Percent of Littered Females/Pregnant	77.8	100.0	100.0	100.0	85.7	
Gestational Length	22.0 ± 0.0 (7)	22.3 ± 0.3 (4)	22.3 ± 0.2 (10)	22.1 ± 0.1 (7)	22.0 ± 0.4 (6)	(0)

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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.

When reported, pre-coital interval in days is calculated for sperm positive females.

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) tests for 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  $P \leq 0.01$

Three females each in the 0, 937.5, 1875, 3750, and 7500 ppm groups were removed for biological sampling on gestational day 18 and therefore are not included in the calculations for Percent Littered. All females in the 15000 ppm group were euthanized during gestation due to excessive toxicity.

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