

**Study Number:** C94043-03

**Test Type:** TOX

**Route:** Dosing in Water

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

**Study Number:**

**Study Gender:**

**PWG Approval Date:**

**Version:**

**Stat Version:**

**R02: Reproductive Performance Summary**

**Test Compound:** Sodium Metavanadate

**CAS Number:** 13718-26-8

C94043-03

Both

See web page for date of PWG Approval

v1.2.3

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**Date Report Requested:** 06/11/2021

**Time Report Requested:** 06:14:16

**Lab:** Battelle

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**Test Type:** TOX

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**R02: Reproductive Performance Summary**

**Test Compound:** Sodium Metavanadate

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**F0 Female**

**Treatment Groups (mg/L)**

	<b>0</b>	<b>31.3</b>	<b>62.5</b>	<b>125</b>	<b>250</b>	<b>500</b>
No. Females Mated	16	16	16	16	16	16
No. Females Pregnant	16	14	16	16	15	16
No. Pregnant Females Removed Prior to Littering	0	0	0	0	2	1
No. Females Littering	16	14	16	16	13	15
Percent of Pregnant Females/Mated	100.0	87.5	100.0	100.0	93.8	100.0
Percent of Littered Females/Mated	100.0	87.5	100.0	100.0	92.9	100.0
Percent of Littered Females/Pregnant	100.0	100.0	100.0	100.0	100.0	100.0
Gestational Length	22.1 ± 0.1 (16)	22.3 ± 0.2 (14)	22.0 ± 0.0 (16)	22.2 ± 0.1 (16)	22.0 ± 0.1 (13)	22.5 ± 0.2 (15)

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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.

Percent of Littered Females / Mated =  $100 \times (\text{No. Females Littered} / (\text{No. Females Mated} - \text{No. Pregnant Females Removed Prior to Littering}))$

Percent of Littered Females / Pregnant =  $100 \times (\text{No. Females Littered} / (\text{No. Females Pregnant} - \text{No. Pregnant Females Removed Prior to Littering}))$

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) 2-sided 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  $P \leq 0.01$

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