

**Study Number:** I10482B

**Test Type:** TOX

**Route:** Dosing in Feed

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

**M08: Serum IgM Antibody Titers to the T-Dependent Antigen Sheep Erythrocytes**

**Test Compound:** N-Butylbenzenesulfonamide

**CAS Number:** 3622-84-2

**Date Report Requested:** 08/19/2022

**Time Report Requested:** 08:38:56

**Lab:** Burleson Research Technologies

**Study Number:**

I10482B

**Study Gender:**

Both

**PWG Approval Date:**

See web page for date of PWG Approval

**Version:**

v1.4.2

**Stat Version:**

v2.9.1A

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**F1 Males: SRBC**

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**Treatment Groups (ppm)**

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	<b>0</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>15 mg/kg CPS</b>
anti-SRBC IgM (U/mL)	2414.48 ± 396.48 (12)	2634.05 ± 621.35 (12)	3542.06 ± 501.81 (12)	3306.55 ± 458.05 (12)	1002.05 ± 202.34 (8) *

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**F1 Females: SRBC**

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**Treatment Groups (ppm)**

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	<b>0</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>15 mg/kg CPS</b>
anti-SRBC IgM (U/mL)	6482.16 ± 1246.32 (12)	5406.14 ± 872.49 (11)	4137.42 ± 799.76 (12)	7153.65 ± 2373.25 (11)	993.56 ± 176.48 (8) **

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#### LEGEND

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

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical analysis for the positive control group compared to the vehicle control group was performed using the Kruskal-Wallis test.

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  $P \leq 0.01$

SRBC - Sheep Red Blood Cells; IgM - Immunoglobulin M

CPS = Cyclophosphamide

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