

**TDMS No.** 99013 - 05  
**Test Type:** Chronic PN  
**Route:** DOSED FEED  
**Species/Strain:** RATS/F 344/N

**E05: CLINICAL OBSERVATIONS SUMMARY**

Styrene-acrylonitrile trimer  
**CAS Number:** SANTRIMER2

**Date Report Requested:** 12/29/2009  
**Time Report Requested:** 13:36:34  
**First Dose M/F:** 05/12/05 / 05/13/05  
**Lab:** BAT

**C Number:** C99013  
**Lock Date:** 03/27/2008  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.2.0

| OBSERVATION           | WEEK: 104 |                   |         |                   |         |                   |          |                   |
|-----------------------|-----------|-------------------|---------|-------------------|---------|-------------------|----------|-------------------|
|                       | 0 PPM     |                   | 400 PPM |                   | 800 PPM |                   | 1600 PPM |                   |
|                       | CURRENT*  | TOTAL+            | CURRENT | TOTAL             | CURRENT | TOTAL             | CURRENT  | TOTAL             |
| Abnormal Breathing    | 0 / 0     | 0 / 50            | 0 / 0   | 2 / 50<br>DAY 673 | 0 / 0   | 1 / 50<br>DAY 57  | 0 / 0    | 0 / 50            |
| Diarrhea              | 0 / 0     | 0 / 50            | 0 / 0   | 1 / 50<br>DAY 589 | 0 / 0   | 0 / 50            | 0 / 0    | 0 / 50            |
| Eye Abnormality       | 0 / 0     | 2 / 50<br>DAY 29  | 0 / 0   | 2 / 50<br>DAY 113 | 0 / 0   | 1 / 50<br>DAY 421 | 0 / 0    | 1 / 50<br>DAY 617 |
| Head Tilt             | 0 / 0     | 1 / 50<br>DAY 477 | 0 / 0   | 0 / 50            | 0 / 0   | 0 / 50            | 0 / 0    | 0 / 50            |
| Impaired Gait         | 0 / 0     | 1 / 50<br>DAY 197 | 0 / 0   | 0 / 50            | 0 / 0   | 0 / 50            | 0 / 0    | 0 / 50            |
| Lethargic             | 0 / 0     | 2 / 50<br>DAY 617 | 0 / 0   | 0 / 50            | 0 / 0   | 0 / 50            | 0 / 0    | 0 / 50            |
| Mass<br>Torso/Dorsal  | 0 / 0     | 2 / 50<br>DAY 589 | 0 / 0   | 3 / 50<br>DAY 421 | 0 / 0   | 3 / 50<br>DAY 477 | 0 / 0    | 6 / 50<br>DAY 449 |
| Mass<br>Torso/Lateral | 0 / 0     | 3 / 50<br>DAY 589 | 0 / 0   | 5 / 50<br>DAY 421 | 0 / 0   | 7 / 50<br>DAY 365 | 0 / 0    | 1 / 50<br>DAY 673 |

\* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

| SEX: MALE                             |          | WEEK: 104         |         |                   |         |                   |          |                    |  |
|---------------------------------------|----------|-------------------|---------|-------------------|---------|-------------------|----------|--------------------|--|
| OBSERVATION                           | 0 PPM    |                   | 400 PPM |                   | 800 PPM |                   | 1600 PPM |                    |  |
|                                       | CURRENT* | TOTAL+            | CURRENT | TOTAL             | CURRENT | TOTAL             | CURRENT  | TOTAL              |  |
| <b>Mass</b><br>Torso/Ventral          | 0 / 0    | 4 / 50<br>DAY 558 | 0 / 0   | 3 / 50<br>DAY 589 | 0 / 0   | 3 / 50<br>DAY 558 | 0 / 0    | 8 / 50<br>DAY 421  |  |
| <b>Mass</b><br>Head                   | 0 / 0    | 2 / 50<br>DAY 533 | 0 / 0   | 0 / 50            | 0 / 0   | 1 / 50<br>DAY 365 | 0 / 0    | 0 / 50             |  |
| <b>Mass</b><br>Appendage              | 0 / 0    | 1 / 50<br>DAY 617 | 0 / 0   | 1 / 50<br>DAY 701 | 0 / 0   | 2 / 50<br>DAY 533 | 0 / 0    | 0 / 50             |  |
| <b>Nasal/Eye Discharge</b>            | 0 / 0    | 9 / 50<br>DAY 197 | 0 / 0   | 9 / 50<br>DAY 225 | 0 / 0   | 7 / 50<br>DAY 505 | 0 / 0    | 14 / 50<br>DAY 225 |  |
| <b>Ruffled Fur</b>                    | 0 / 0    | 1 / 50<br>DAY 673 | 0 / 0   | 0 / 50            | 0 / 0   | 0 / 50            | 0 / 0    | 0 / 50             |  |
| <b>Thin</b>                           | 0 / 0    | 3 / 50<br>DAY 617 | 0 / 0   | 2 / 50<br>DAY 673 | 0 / 0   | 2 / 50<br>DAY 533 | 0 / 0    | 3 / 50<br>DAY 558  |  |
| <b>Ulcer/Abscess</b><br>Appendage     | 0 / 0    | 2 / 50<br>DAY 673 | 0 / 0   | 1 / 50<br>DAY 253 | 0 / 0   | 0 / 50            | 0 / 0    | 0 / 50             |  |
| <b>Ulcer/Abscess</b><br>Torso/Ventral | 0 / 0    | 1 / 50<br>DAY 673 | 0 / 0   | 1 / 50<br>DAY 617 | 0 / 0   | 2 / 50<br>DAY 673 | 0 / 0    | 0 / 50             |  |

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Lab: BAT

| SEX: MALE                      |          | WEEK: 104 |         |                   |         |                   |          |       |  |
|--------------------------------|----------|-----------|---------|-------------------|---------|-------------------|----------|-------|--|
| OBSERVATION                    | 0 PPM    |           | 400 PPM |                   | 800 PPM |                   | 1600 PPM |       |  |
|                                | CURRENT* | TOTAL+    | CURRENT | TOTAL             | CURRENT | TOTAL             | CURRENT  | TOTAL |  |
| Ulcer/Abscess<br>Torso/Dorsal  | 0 / 0    | 0/50      | 0 / 0   | 1 / 50<br>DAY 477 | 0 / 0   | 1 / 50<br>DAY 701 | 0 / 0    | 0/50  |  |
| Ulcer/Abscess<br>Torso/Lateral | 0 / 0    | 0/50      | 0 / 0   | 0/50              | 0 / 0   | 2 / 50<br>DAY 701 | 0 / 0    | 0/50  |  |

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**Lab:** BAT

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**SEX:** MALE

**WEEK:** 104

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\*\*\* END OF MALE DATA \*\*\*

SEX: FEMALE

WEEK: 104

| OBSERVATION           | 0 PPM    |                    | 400 PPM |                    | 800 PPM |                    | 1600 PPM |                    |
|-----------------------|----------|--------------------|---------|--------------------|---------|--------------------|----------|--------------------|
|                       | CURRENT* | TOTAL+             | CURRENT | TOTAL              | CURRENT | TOTAL              | CURRENT  | TOTAL              |
| Abnormal Breathing    | 0 / 0    | 1 / 50<br>DAY 57   | 0 / 0   | 1 / 50<br>DAY 645  | 0 / 0   | 0 / 50             | 0 / 0    | 0 / 50             |
| Eye Abnormality       | 0 / 0    | 3 / 50<br>DAY 29   | 0 / 0   | 1 / 50<br>DAY 365  | 0 / 0   | 2 / 50<br>DAY 421  | 0 / 0    | 3 / 50<br>DAY 29   |
| Head Tilt             | 0 / 0    | 0 / 50             | 0 / 0   | 0 / 50             | 0 / 0   | 1 / 50<br>DAY 701  | 0 / 0    | 0 / 50             |
| Hindlimb Splay        | 0 / 0    | 0 / 50             | 0 / 0   | 1 / 50<br>DAY 645  | 0 / 0   | 0 / 50             | 0 / 0    | 0 / 50             |
| Lethargic             | 0 / 0    | 1 / 50<br>DAY 701  | 0 / 0   | 0 / 50             | 0 / 0   | 1 / 50<br>DAY 701  | 0 / 0    | 0 / 50             |
| Mass<br>Torso/Dorsal  | 0 / 0    | 1 / 50<br>DAY 589  | 0 / 0   | 0 / 50             | 0 / 0   | 1 / 50<br>DAY 617  | 0 / 0    | 1 / 50<br>DAY 505  |
| Mass<br>Torso/Lateral | 0 / 0    | 5 / 50<br>DAY 533  | 0 / 0   | 6 / 50<br>DAY 533  | 0 / 0   | 3 / 50<br>DAY 477  | 0 / 0    | 2 / 50<br>DAY 558  |
| Mass<br>Torso/Ventral | 0 / 0    | 32 / 50<br>DAY 477 | 0 / 0   | 25 / 50<br>DAY 558 | 0 / 0   | 17 / 50<br>DAY 477 | 0 / 0    | 16 / 50<br>DAY 558 |

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| SEX: FEMALE                    |          | WEEK: 104          |         |                    |         |                    |          |                    |  |
|--------------------------------|----------|--------------------|---------|--------------------|---------|--------------------|----------|--------------------|--|
| OBSERVATION                    | 0 PPM    |                    | 400 PPM |                    | 800 PPM |                    | 1600 PPM |                    |  |
|                                | CURRENT* | TOTAL+             | CURRENT | TOTAL              | CURRENT | TOTAL              | CURRENT  | TOTAL              |  |
| Mass<br>Appendage              | 0 / 0    | 0 / 50             | 0 / 0   | 0 / 50             | 0 / 0   | 0 / 50             | 0 / 0    | 1 / 50<br>DAY 701  |  |
| Nasal/Eye Discharge            | 0 / 0    | 10 / 50<br>DAY 225 | 0 / 0   | 13 / 50<br>DAY 169 | 0 / 0   | 15 / 50<br>DAY 253 | 0 / 0    | 18 / 50<br>DAY 141 |  |
| Thin                           | 0 / 0    | 4 / 50<br>DAY 85   | 0 / 0   | 6 / 50<br>DAY 505  | 0 / 0   | 3 / 50<br>DAY 533  | 0 / 0    | 0 / 50             |  |
| Ulcer/Abscess<br>Torso/Ventral | 0 / 0    | 1 / 50<br>DAY 505  | 0 / 0   | 1 / 50<br>DAY 701  | 0 / 0   | 0 / 50             | 0 / 0    | 0 / 50             |  |
| Ulcer/Abscess<br>Head          | 0 / 0    | 1 / 50<br>DAY 253  | 0 / 0   | 0 / 50             | 0 / 0   | 0 / 50             | 0 / 0    | 1 / 50<br>DAY 558  |  |

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**SEX:** FEMALE

**WEEK:** 104

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