

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

F1_Rev.1_RE

| | | | |
|-----------------------------|-------------|------------|------------|
| NTP Study Number: | C20320 | | |
| Lock Date: | 03/24/2011 | | |
| Cage Range: | ALL | | |
| Date Range: | ALL | | |
| Reasons For Removal: | 25021 TSAC | 25020 NATD | 25019 MSAC |
| | 25018 DACC | | |
| Removal Date Range: | ALL | | |
| Treatment Groups: | Include ALL | | |
| Study Gender: | Both | | |
| TDMSE Version: | 3.0.1.0_004 | | |
| PWG Approval Date: | NONE | | |

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF TETRABROMOBISPHENOL A

MALE RATS

Organ

Adrenal Cortex

Heart

Intestine Large, Colon

Kidney

Liver

Lung

Lymph Node, Mesenteric

Preputial Gland

Prostate

Skin

Spleen: Lymphoid Follicle

Stomach, Forestomach

Stomach, Glandular

Testes: Germinal Epithelium

Thymus

Thyroid Gland: C-Cell

Thyroid Gland: Follicle

Trachea

FEMALE RATS

Organ

Adrenal Medulla

Esophagus

Eye: Retina

Liver

Morphology

Hyperplasia

Cardiomyopathy

Ulcer

Inflammation Chronic

Nephropathy

Basophilic Focus

Clear Cell Focus

Eosinophilic Focus

Mixed Cell Focus

Metaplasia Osseous

Ectasia

Inflammation

Hyperplasia

Ulcer

Atrophy

Inflammation Chronic

Mineralization

Atrophy

Mineralization

Atrophy

Hyperplasia

Hyperplasia

Inflammation

Morphology

Hemorrhage

Perforation

Atrophy

Basophilic Focus

Mixed Cell Focus

Necrosis

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF TETRABROMOBISPHENOL A

Liver: Bile Duct
Ovary: Bursa
Ovary: Rete Ovarii
Pancreas: Acinus
Pancreas: Duct
Stomach, Glandular
Thyroid Gland: C-Cell
Trachea
Uterus
Uterus: Cervix
Uterus: Endometrium

Hyperplasia
Dilatation
Cyst
Atrophy
Cyst
Mineralization
Hyperplasia
Inflammation
Adenomyosis
Hyperplasia Stromal
Hyperplasia Cystic

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Cortex | | | | |
| Angiectasis | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/44.86 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---------------------------------------|-------------|------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Cortex Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 12/50 (24%) | 5/50 (10%) | 6/49 (12%) | 9/50 (18%) |
| POLY-3 RATE (b) | 12/40.84 | 5/42.06 | 6/44.86 | 9/44.75 |
| POLY-3 PERCENT (g) | 29.4% | 11.9% | 13.4% | 20.1% |
| TERMINAL (d) | 9/33 (27%) | 3/28 (11%) | 6/38 (16%) | 8/39 (21%) |
| FIRST INCIDENCE | 517 | 673 | 727 (T) | 534 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.335N | P=0.042N* | P=0.058N | P=0.228N |
| POLY 1.5 | P=0.351N | P=0.042N* | P=0.066N | P=0.242N |
| POLY 6 | P=0.315N | P=0.047N* | P=0.055N | P=0.220N |
| COCH-ARM / FISHERS | P=0.399N | P=0.054N | P=0.104N | P=0.312N |
| MAX-ISO-POLY-3 | P=0.082N | P=0.024N* | P=0.040N* | P=0.171N |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Cortex Necrosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 1/49 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 2/42.78 | 1/45.25 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 4.7% | 2.2% | 0% |
| TERMINAL (d) | 0/33 (0%) | 1/28 (4%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | 35 | 618 | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.418N | P=0.254 | P=0.526 | (e) |
| POLY 1.5 | P=0.427N | P=0.253 | P=0.518 | (e) |
| POLY 6 | P=0.413N | P=0.250 | P=0.532 | (e) |
| COCH-ARM / FISHERS | P=0.462N | P=0.247 | P=0.495 | (e) |
| MAX-ISO-POLY-3 | P=0.347N | P=0.092 | P=0.191 | (e) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------|---------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |

Adrenal Cortex
Vacuolization Cytoplasmic

LESION RATES

| | | | | |
|--------------------|-------------|-------------|-------------|-------------|
| OVERALL (a) | 17/50 (34%) | 17/50 (34%) | 15/49 (31%) | 16/50 (32%) |
| POLY-3 RATE (b) | 17/40.68 | 17/43.46 | 15/44.86 | 16/45.20 |
| POLY-3 PERCENT (g) | 41.8% | 39.1% | 33.4% | 35.4% |
| TERMINAL (d) | 15/33 (46%) | 11/28 (39%) | 15/38 (40%) | 14/39 (36%) |
| FIRST INCIDENCE | 542 | 549 | 727 (T) | 534 |

STATISTICAL TESTS

| | | | | |
|--------------------|----------|----------|----------|----------|
| POLY 3 | P=0.298N | P=0.489N | P=0.282N | P=0.349N |
| POLY 1.5 | P=0.326N | P=0.505N | P=0.313N | P=0.381N |
| POLY 6 | P=0.268N | P=0.497N | P=0.267N | P=0.323N |
| COCH-ARM / FISHERS | P=0.432N | P=0.583N | P=0.442N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.407N | P=0.401N | P=0.223N | P=0.281N |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-----------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Medulla Hemorrhage | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/49 (0%) | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.40 | 0/41.78 | 0/44.86 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Medulla Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 3/49 (6%) | 1/50 (2%) | 3/49 (6%) | 2/50 (4%) |
| POLY-3 RATE (b) | 3/39.40 | 1/41.78 | 3/45.13 | 2/44.14 |
| POLY-3 PERCENT (g) | 7.6% | 2.4% | 6.7% | 4.5% |
| TERMINAL (d) | 3/33 (9%) | 1/28 (4%) | 2/38 (5%) | 2/39 (5%) |
| FIRST INCIDENCE | 727 (T) | 727 (T) | 654 | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.481N | P=0.284N | P=0.598N | P=0.448N |
| POLY 1.5 | P=0.490N | P=0.283N | P=0.613N | P=0.456N |
| POLY 6 | P=0.468N | P=0.292N | P=0.587N | P=0.442N |
| COCH-ARM / FISHERS | P=0.517N | P=0.301N | P=0.661N | P=0.490N |
| MAX-ISO-POLY-3 | P=0.447N | P=0.145N | P=0.435N | P=0.288N |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------------------------------|------------|-------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Brain Compression | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 9/50 (18%) | 12/50 (24%) | 9/50 (18%) | 5/50 (10%) |
| POLY-3 RATE (b) | 9/43.50 | 12/45.53 | 9/46.59 | 5/44.77 |
| POLY-3 PERCENT (g) | 20.7% | 26.4% | 19.3% | 11.2% |
| TERMINAL (d) | 1/33 (3%) | 0/28 (0%) | 5/38 (13%) | 3/39 (8%) |
| FIRST INCIDENCE | 485 | 397 | 511 | 608 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.085N | P=0.353 | P=0.540N | P=0.175N |
| POLY 1.5 | P=0.082N | P=0.352 | P=0.543N | P=0.171N |
| POLY 6 | P=0.090N | P=0.341 | P=0.550N | P=0.184N |
| COCH-ARM / FISHERS | P=0.099N | P=0.312 | P=0.602N | P=0.194N |
| MAX-ISO-POLY-3 | P=0.117N | P=0.270 | P=0.436N | P=0.113N |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Esophagus Perforation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Eye Cataract | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 1/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 2.2% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 1/38 (3%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | 727 (T) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Eye: Retina | | | | |
| Atrophy | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 3/50 (6%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/39.72 | 1/41.78 | 3/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 2.5% | 2.4% | 6.6% | 0% |
| TERMINAL (d) | 1/33 (3%) | 1/28 (4%) | 3/38 (8%) | 0/39 (0%) |
| FIRST INCIDENCE | 727 (T) | 727 (T) | 727 (T) | --- |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.366N | P=0.750N | P=0.353 | P=0.479N |
| POLY 1.5 | P=0.376N | P=0.750N | P=0.342 | P=0.483N |
| POLY 6 | P=0.354N | P=0.754N | P=0.360 | P=0.475N |
| COCH-ARM / FISHERS | P=0.409N | P=0.753N | P=0.309 | P=0.500N |
| MAX-ISO-POLY-3 | P=0.253N | P=0.485N | P=0.203 | P=0.158N |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Harderian Gland Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/49 (0%) | 1/50 (2%) | 1/50 (2%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/39.20 | 1/42.08 | 1/45.21 | 2/44.14 |
| POLY-3 PERCENT (g) | 0% | 2.4% | 2.2% | 4.5% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 1/38 (3%) | 2/39 (5%) |
| FIRST INCIDENCE | --- | 645 | 727 (T) | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.179 | P=0.514 | P=0.528 | P=0.264 |
| POLY 1.5 | P=0.174 | P=0.514 | P=0.523 | P=0.260 |
| POLY 6 | P=0.184 | P=0.510 | P=0.531 | P=0.268 |
| COCH-ARM / FISHERS | P=0.155 | P=0.505 | P=0.505 | P=0.253 |
| MAX-ISO-POLY-3 | P=0.160 | P=0.175 | P=0.192 | P=0.100 |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Heart | | | | |
| Cardiomyopathy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 33/50 (66%) | 23/50 (46%) | 23/50 (46%) | 30/50 (60%) |
| POLY-3 RATE (b) | 33/44.98 | 23/44.38 | 23/47.18 | 30/46.48 |
| POLY-3 PERCENT (g) | 73.4% | 51.8% | 48.8% | 64.6% |
| TERMINAL (d) | 23/33 (70%) | 17/28 (61%) | 17/38 (45%) | 25/39 (64%) |
| FIRST INCIDENCE | 196 | 35 | 511 | 517 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.369N | P=0.024N* | P=0.011N* | P=0.243N |
| POLY 1.5 | P=0.391N | P=0.019N* | P=0.013N* | P=0.243N |
| POLY 6 | P=0.340N | P=0.040N* | P=0.011N* | P=0.252N |
| COCH-ARM / FISHERS | P=0.471N | P=0.035N* | P=0.035N* | P=0.339N |
| MAX-ISO-POLY-3 | P=0.053N | P=0.014N* | P=0.007N** | P=0.181N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Heart: Endocardium Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/39.72 | 1/41.78 | 1/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 2.5% | 2.4% | 2.2% | 0% |
| TERMINAL (d) | 1/33 (3%) | 1/28 (4%) | 1/38 (3%) | 0/39 (0%) |
| FIRST INCIDENCE | 727 (T) | 727 (T) | 727 (T) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Intestine Large, Colon Ulcer | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 2/41.32 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 4.8% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | 244 | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.114N | P=0.234N | P=0.218N | P=0.223N |
| POLY 1.5 | P=0.115N | P=0.233N | P=0.221N | P=0.225N |
| POLY 6 | P=0.111N | P=0.241N | P=0.216N | P=0.220N |
| COCH-ARM / FISHERS | P=0.115N | P=0.247N | P=0.247N | P=0.247N |
| MAX-ISO-POLY-3 | P=0.032N* | P=0.076N | P=0.076N | P=0.076N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Intestine Large, Rectum | | | | |
| Parasite Metazoan | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/39.72 | 1/41.78 | 1/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 2.5% | 2.4% | 2.2% | 0% |
| TERMINAL (d) | 1/33 (3%) | 1/28 (4%) | 1/38 (3%) | 0/39 (0%) |
| FIRST INCIDENCE | 727 (T) | 727 (T) | 727 (T) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------|-----------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 4/50 (8%) | 3/50 (6%) |
| POLY-3 RATE (b) | 1/39.72 | 1/41.78 | 4/45.21 | 3/44.14 |
| POLY-3 PERCENT (g) | 2.5% | 2.4% | 8.9% | 6.8% |
| TERMINAL (d) | 1/33 (3%) | 1/28 (4%) | 4/38 (11%) | 3/39 (8%) |
| FIRST INCIDENCE | 727 (T) | 727 (T) | 727 (T) | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.201 | P=0.750N | P=0.220 | P=0.344 |
| POLY 1.5 | P=0.192 | P=0.750N | P=0.211 | P=0.336 |
| POLY 6 | P=0.213 | P=0.754N | P=0.227 | P=0.351 |
| COCH-ARM / FISHERS | P=0.164 | P=0.753N | P=0.181 | P=0.309 |
| MAX-ISO-POLY-3 | P=0.243 | P=0.485N | P=0.124 | P=0.193 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney | | | | |
| Hydronephrosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 1/50 (2%) | 1/50 (2%) |
| POLY-3 RATE (b) | 0/39.72 | 2/41.78 | 1/45.21 | 1/44.35 |
| POLY-3 PERCENT (g) | 0% | 4.8% | 2.2% | 2.3% |
| TERMINAL (d) | 0/33 (0%) | 2/28 (7%) | 1/38 (3%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | 727 (T) | 727 (T) | 672 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.552 | P=0.248 | P=0.526 | P=0.522 |
| POLY 1.5 | P=0.541 | P=0.248 | P=0.520 | P=0.517 |
| POLY 6 | P=0.563 | P=0.243 | P=0.529 | P=0.527 |
| COCH-ARM / FISHERS | P=0.500 | P=0.247 | P=0.500 | P=0.500 |
| MAX-ISO-POLY-3 | P=0.314 | P=0.087 | P=0.190 | P=0.185 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 1/44.75 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 2.2% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 534 |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney | | | | |
| Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 2/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 4.5% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 2/39 (5%) |
| FIRST INCIDENCE | --- | --- | --- | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.049* | (e) | (e) | P=0.261 |
| POLY 1.5 | P=0.048* | (e) | (e) | P=0.256 |
| POLY 6 | P=0.051 | (e) | (e) | P=0.266 |
| COCH-ARM / FISHERS | P=0.046* | (e) | (e) | P=0.247 |
| MAX-ISO-POLY-3 | P=0.053 | (e) | (e) | P=0.099 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney | | | | |
| Nephropathy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 39/50 (78%) | 30/50 (60%) | 35/50 (70%) | 31/50 (62%) |
| POLY-3 RATE (b) | 39/45.10 | 30/46.32 | 35/47.65 | 31/45.80 |
| POLY-3 PERCENT (g) | 86.5% | 64.8% | 73.5% | 67.7% |
| TERMINAL (d) | 28/33 (85%) | 18/28 (64%) | 28/38 (74%) | 28/39 (72%) |
| FIRST INCIDENCE | 244 | 397 | 511 | 517 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.079N | P=0.011N* | P=0.087N | P=0.023N* |
| POLY 1.5 | P=0.075N | P=0.013N* | P=0.102N | P=0.022N* |
| POLY 6 | P=0.089N | P=0.012N* | P=0.090N | P=0.030N* |
| COCH-ARM / FISHERS | P=0.125N | P=0.041N* | P=0.247N | P=0.063N |
| MAX-ISO-POLY-3 | P=0.029N* | P=0.006N** | P=0.056N | P=0.012N* |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney Thrombosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney: Pelvis Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 4/50 (8%) | 2/50 (4%) | 2/50 (4%) | 5/50 (10%) |
| POLY-3 RATE (b) | 4/40.84 | 2/42.72 | 2/45.21 | 5/45.20 |
| POLY-3 PERCENT (g) | 9.8% | 4.7% | 4.4% | 11.1% |
| TERMINAL (d) | 2/33 (6%) | 0/28 (0%) | 2/38 (5%) | 3/39 (8%) |
| FIRST INCIDENCE | 244 | 549 | 727 (T) | 517 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.369 | P=0.316N | P=0.291N | P=0.563 |
| POLY 1.5 | P=0.359 | P=0.319N | P=0.301N | P=0.548 |
| POLY 6 | P=0.383 | P=0.321N | P=0.285N | P=0.579 |
| COCH-ARM / FISHERS | P=0.331 | P=0.339N | P=0.339N | P=0.500 |
| MAX-ISO-POLY-3 | P=0.340 | P=0.189N | P=0.178N | P=0.426 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Angiectasis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 2/50 (4%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/40.01 | 2/42.08 | 0/45.21 | 1/44.14 |
| POLY-3 PERCENT (g) | 5% | 4.8% | 0% | 2.3% |
| TERMINAL (d) | 1/33 (3%) | 1/28 (4%) | 0/38 (0%) | 1/39 (3%) |
| FIRST INCIDENCE | 648 | 645 | --- | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.279N | P=0.676N | P=0.211N | P=0.466N |
| POLY 1.5 | P=0.282N | P=0.677N | P=0.216N | P=0.472N |
| POLY 6 | P=0.276N | P=0.684N | P=0.208N | P=0.461N |
| COCH-ARM / FISHERS | P=0.296N | P=0.691N | P=0.247N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.258N | P=0.479N | P=0.075N | P=0.262N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Basophilic Focus | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 19/50 (38%) | 26/50 (52%) | 24/50 (48%) | 13/50 (26%) |
| POLY-3 RATE (b) | 19/42.51 | 26/43.94 | 24/46.52 | 13/45.20 |
| POLY-3 PERCENT (g) | 44.7% | 59.2% | 51.6% | 28.8% |
| TERMINAL (d) | 13/33 (39%) | 18/28 (64%) | 21/38 (55%) | 11/39 (28%) |
| FIRST INCIDENCE | 465 | 514 | 511 | 387 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.020N* | P=0.123 | P=0.330 | P=0.089N |
| POLY 1.5 | P=0.023N* | P=0.132 | P=0.311 | P=0.093N |
| POLY 6 | P=0.018N* | P=0.102 | P=0.331 | P=0.090N |
| COCH-ARM / FISHERS | P=0.054N | P=0.114 | P=0.210 | P=0.142N |
| MAX-ISO-POLY-3 | P=0.022N* | P=0.087 | P=0.265 | P=0.063N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| <hr/> | | | | |
| Liver | | | | |
| Clear Cell Focus | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 34/50 (68%) | 33/50 (66%) | 43/50 (86%) | 41/50 (82%) |
| POLY-3 RATE (b) | 34/41.20 | 33/44.39 | 43/47.63 | 41/46.12 |
| POLY-3 PERCENT (g) | 82.5% | 74.3% | 90.3% | 88.9% |
| TERMINAL (d) | 30/33 (91%) | 27/28 (96%) | 37/38 (97%) | 37/39 (95%) |
| FIRST INCIDENCE | 542 | 500 | 511 | 501 |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.075 | P=0.235N | P=0.196 | P=0.268 |
| POLY 1.5 | P=0.062 | P=0.294N | P=0.120 | P=0.209 |
| POLY 6 | P=0.097 | P=0.229N | P=0.290 | P=0.328 |
| COCH-ARM / FISHERS | P=0.024* | P=0.500N | P=0.028* | P=0.083 |
| MAX-ISO-POLY-3 | P=0.099 | P=0.165N | P=0.130 | P=0.179 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Eosinophilic Focus | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 3/50 (6%) | 0/50 (0%) | 3/50 (6%) |
| POLY-3 RATE (b) | 0/39.72 | 3/42.67 | 0/45.21 | 3/44.35 |
| POLY-3 PERCENT (g) | 0% | 7% | 0% | 6.8% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 2/39 (5%) |
| FIRST INCIDENCE | --- | 596 | --- | 672 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.193 | P=0.132 | (e) | P=0.139 |
| POLY 1.5 | P=0.186 | P=0.129 | (e) | P=0.135 |
| POLY 6 | P=0.199 | P=0.130 | (e) | P=0.144 |
| COCH-ARM / FISHERS | P=0.163 | P=0.121 | (e) | P=0.121 |
| MAX-ISO-POLY-3 | P=0.087 | P=0.049* | (e) | P=0.056 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Fatty Change | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 28/50 (56%) | 35/50 (70%) | 30/50 (60%) | 27/50 (54%) |
| POLY-3 RATE (b) | 28/42.66 | 35/47.60 | 30/45.90 | 27/44.56 |
| POLY-3 PERCENT (g) | 65.6% | 73.5% | 65.4% | 60.6% |
| TERMINAL (d) | 21/33 (64%) | 17/28 (61%) | 27/38 (71%) | 26/39 (67%) |
| FIRST INCIDENCE | 485 | 397 | 626 | 608 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.215N | P=0.276 | P=0.580N | P=0.392N |
| POLY 1.5 | P=0.194N | P=0.218 | P=0.586 | P=0.385N |
| POLY 6 | P=0.264N | P=0.323 | P=0.576 | P=0.428N |
| COCH-ARM / FISHERS | P=0.279N | P=0.107 | P=0.420 | P=0.500N |
| MAX-ISO-POLY-3 | P=0.297N | P=0.216 | P=0.488N | P=0.312N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-----------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Hepatodiaphragmatic Nodule | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 0/50 (0%) | 2/50 (4%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/40.33 | 0/41.78 | 2/45.72 | 0/44.14 |
| POLY-3 PERCENT (g) | 2.5% | 0% | 4.4% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 1/38 (3%) | 0/39 (0%) |
| FIRST INCIDENCE | 533 | --- | 574 | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.437N | P=0.493N | P=0.544 | P=0.482N |
| POLY 1.5 | P=0.443N | P=0.492N | P=0.534 | P=0.485N |
| POLY 6 | P=0.428N | P=0.498N | P=0.550 | P=0.480N |
| COCH-ARM / FISHERS | P=0.461N | P=0.500N | P=0.500 | P=0.500N |
| MAX-ISO-POLY-3 | P=0.332N | P=0.158N | P=0.328 | P=0.158N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Mixed Cell Focus | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 9/50 (18%) | 10/50 (20%) | 12/50 (24%) | 16/50 (32%) |
| POLY-3 RATE (b) | 9/40.17 | 10/41.93 | 12/45.21 | 16/44.60 |
| POLY-3 PERCENT (g) | 22.4% | 23.9% | 26.5% | 35.9% |
| TERMINAL (d) | 7/33 (21%) | 9/28 (32%) | 12/38 (32%) | 15/39 (39%) |
| FIRST INCIDENCE | 638 | 689 | 727 (T) | 594 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.079 | P=0.542 | P=0.424 | P=0.130 |
| POLY 1.5 | P=0.071 | P=0.543 | P=0.401 | P=0.119 |
| POLY 6 | P=0.090 | P=0.517 | P=0.433 | P=0.138 |
| COCH-ARM / FISHERS | P=0.048* | P=0.500 | P=0.312 | P=0.083 |
| MAX-ISO-POLY-3 | P=0.125 | P=0.438 | P=0.337 | P=0.096 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver Necrosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/40.36 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 2.5% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | 517 | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver: Bile Duct Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------|---------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |

Liver: Bile Duct
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|------------|------------|------------|
| OVERALL (a) | 3/50 (6%) | 5/50 (10%) | 7/50 (14%) | 7/50 (14%) |
| POLY-3 RATE (b) | 3/39.72 | 5/43.35 | 7/46.57 | 7/44.56 |
| POLY-3 PERCENT (g) | 7.6% | 11.5% | 15% | 15.7% |
| TERMINAL (d) | 3/33 (9%) | 3/28 (11%) | 4/38 (11%) | 6/39 (15%) |
| FIRST INCIDENCE | 727 (T) | 35 | 511 | 608 |

STATISTICAL TESTS

| | | | | |
|--------------------|---------|---------|---------|---------|
| POLY 3 | P=0.174 | P=0.405 | P=0.230 | P=0.207 |
| POLY 1.5 | P=0.161 | P=0.399 | P=0.210 | P=0.195 |
| POLY 6 | P=0.191 | P=0.399 | P=0.248 | P=0.219 |
| COCH-ARM / FISHERS | P=0.126 | P=0.357 | P=0.159 | P=0.159 |
| MAX-ISO-POLY-3 | P=0.239 | P=0.279 | P=0.159 | P=0.137 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-----------------------------|------------|------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung | | | | |
| Inflammation Chronic | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 8/50 (16%) | 6/50 (12%) | 6/50 (12%) | 6/50 (12%) |
| POLY-3 RATE (b) | 8/43.29 | 6/42.08 | 6/45.99 | 6/44.57 |
| POLY-3 PERCENT (g) | 18.5% | 14.3% | 13.1% | 13.5% |
| TERMINAL (d) | 2/33 (6%) | 5/28 (18%) | 4/38 (11%) | 5/39 (13%) |
| FIRST INCIDENCE | 465 | 645 | 615 | 605 |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.327N | P=0.408N | P=0.340N | P=0.363N |
| POLY 1.5 | P=0.330N | P=0.386N | P=0.342N | P=0.357N |
| POLY 6 | P=0.322N | P=0.449N | P=0.345N | P=0.373N |
| COCH-ARM / FISHERS | P=0.361N | P=0.387N | P=0.387N | P=0.387N |
| MAX-ISO-POLY-3 | P=0.402N | P=0.302N | P=0.248N | P=0.264N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-----------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung | | | | |
| Inflammation Granulomatous | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 2/50 (4%) | 0/50 (0%) | 3/50 (6%) |
| POLY-3 RATE (b) | 2/40.56 | 2/41.78 | 0/45.21 | 3/44.35 |
| POLY-3 PERCENT (g) | 4.9% | 4.8% | 0% | 6.8% |
| TERMINAL (d) | 0/33 (0%) | 2/28 (7%) | 0/38 (0%) | 2/39 (5%) |
| FIRST INCIDENCE | 496 | 727 (T) | --- | 672 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.451 | P=0.684N | P=0.214N | P=0.541 |
| POLY 1.5 | P=0.445 | P=0.681N | P=0.218N | P=0.534 |
| POLY 6 | P=0.458 | P=0.695 | P=0.212N | P=0.546 |
| COCH-ARM / FISHERS | P=0.423 | P=0.691N | P=0.247N | P=0.500 |
| MAX-ISO-POLY-3 | P=0.342 | P=0.487N | P=0.075N | P=0.366 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung | | | | |
| Metaplasia Osseous | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 3/50 (6%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 3/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 6.8% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 3/39 (8%) |
| FIRST INCIDENCE | --- | --- | --- | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.012* | (e) | (e) | P=0.138 |
| POLY 1.5 | P=0.012* | (e) | (e) | P=0.134 |
| POLY 6 | P=0.013* | (e) | (e) | P=0.142 |
| COCH-ARM / FISHERS | P=0.012* | (e) | (e) | P=0.121 |
| MAX-ISO-POLY-3 | P=0.018* | (e) | (e) | P=0.055 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung: Alveolar Epithelium Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung: Bronchiole Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 3/50 (6%) | 2/50 (4%) | 1/50 (2%) | 4/50 (8%) |
| POLY-3 RATE (b) | 3/39.72 | 2/41.78 | 1/45.21 | 4/44.14 |
| POLY-3 PERCENT (g) | 7.6% | 4.8% | 2.2% | 9.1% |
| TERMINAL (d) | 3/33 (9%) | 2/28 (7%) | 1/38 (3%) | 4/39 (10%) |
| FIRST INCIDENCE | 727 (T) | 727 (T) | 727 (T) | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.407 | P=0.477N | P=0.260N | P=0.557 |
| POLY 1.5 | P=0.398 | P=0.478N | P=0.270N | P=0.545 |
| POLY 6 | P=0.418 | P=0.486N | P=0.254N | P=0.568 |
| COCH-ARM / FISHERS | P=0.371 | P=0.500N | P=0.309N | P=0.500 |
| MAX-ISO-POLY-3 | P=0.348 | P=0.307N | P=0.139N | P=0.405 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lymph Node, Mesenteric Ectasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | 4/50 (8%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 1/45.21 | 4/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 2.2% | 9.1% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 1/38 (3%) | 4/39 (10%) |
| FIRST INCIDENCE | --- | --- | 727 (T) | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.006** | (e) | P=0.526 | P=0.075 |
| POLY 1.5 | P=0.006** | (e) | P=0.520 | P=0.072 |
| POLY 6 | P=0.007** | (e) | P=0.529 | P=0.077 |
| COCH-ARM / FISHERS | P=0.006** | (e) | P=0.500 | P=0.059 |
| MAX-ISO-POLY-3 | P=0.010** | (e) | P=0.190 | P=0.031* |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Mammary Gland | | | | |
| Galactocele | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/47 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/36.72 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/30 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Mammary Gland Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/47 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/36.72 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/30 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------------------------------------|-----------|------------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Mesentery: Fat Necrosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/3 (67%) | 3/3 (100%) | 0/0 (0%) | 2/2 (100%) |
| POLY-3 RATE (b) | 2/3.00 | 3/3.00 | 0/0.00 | 2/2.00 |
| POLY-3 PERCENT (g) | 66.7% | 100% | 0% | 100% |
| TERMINAL (d) | 1/2 (50%) | 2/2 (100%) | 0/0 (0%) | 1/1 (100%) |
| FIRST INCIDENCE | 517 | 397 | --- | 672 |
| STATISTICAL TESTS | | | | |
| POLY 3 | (e) | P=0.500 | (e) | P=0.577 |
| POLY 1.5 | (e) | P=0.500 | (e) | P=0.577 |
| POLY 6 | (e) | P=0.500 | (e) | P=0.577 |
| COCH-ARM / FISHERS | P=0.400 | P=0.500 | (e) | P=0.600 |
| MAX-ISO-POLY-3 | (e) | P=0.159 | (e) | P=0.240 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|------------|------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Nose Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 8/50 (16%) | 5/50 (10%) | 7/50 (14%) | 8/50 (16%) |
| POLY-3 RATE (b) | 8/41.85 | 5/42.79 | 7/45.92 | 8/45.33 |
| POLY-3 PERCENT (g) | 19.1% | 11.7% | 15.2% | 17.7% |
| TERMINAL (d) | 4/33 (12%) | 2/28 (7%) | 5/38 (13%) | 6/39 (15%) |
| FIRST INCIDENCE | 502 | 514 | 615 | 447 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.511 | P=0.259N | P=0.422N | P=0.539N |
| POLY 1.5 | P=0.498 | P=0.254N | P=0.434N | P=0.548N |
| POLY 6 | P=0.526 | P=0.278N | P=0.420N | P=0.537N |
| COCH-ARM / FISHERS | P=0.445 | P=0.277N | P=0.500N | P=0.607N |
| MAX-ISO-POLY-3 | P=0.487N | P=0.174N | P=0.323N | P=0.431N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Nose: Olfactory Epithelium Degeneration | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 2/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 4.4% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 2/38 (5%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | 727 (T) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.641 | (e) | P=0.267 | (e) |
| POLY 1.5 | P=0.630 | (e) | P=0.260 | (e) |
| POLY 6 | P=0.655 | (e) | P=0.272 | (e) |
| COCH-ARM / FISHERS | P=0.595 | (e) | P=0.247 | (e) |
| MAX-ISO-POLY-3 | P=0.297 | (e) | P=0.104 | (e) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pancreas Atrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 4/50 (8%) | 1/50 (2%) | 1/50 (2%) | 2/50 (4%) |
| POLY-3 RATE (b) | 4/39.85 | 1/41.78 | 1/45.21 | 2/45.16 |
| POLY-3 PERCENT (g) | 10% | 2.4% | 2.2% | 4.4% |
| TERMINAL (d) | 3/33 (9%) | 1/28 (4%) | 1/38 (3%) | 0/39 (0%) |
| FIRST INCIDENCE | 695 | 727 (T) | 727 (T) | 534 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.291N | P=0.163N | P=0.143N | P=0.281N |
| POLY 1.5 | P=0.298N | P=0.164N | P=0.150N | P=0.294N |
| POLY 6 | P=0.280N | P=0.169N | P=0.138N | P=0.269N |
| COCH-ARM / FISHERS | P=0.313N | P=0.181N | P=0.181N | P=0.339N |
| MAX-ISO-POLY-3 | P=0.120N | P=0.079N | P=0.074N | P=0.173N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pancreas: Acinus Atrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pancreas: Duct Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Parathyroid Gland Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/45 (2%) | 1/48 (2%) | 2/47 (4%) | 1/49 (2%) |
| POLY-3 RATE (b) | 1/34.72 | 1/40.78 | 2/42.57 | 1/43.14 |
| POLY-3 PERCENT (g) | 2.9% | 2.5% | 4.7% | 2.3% |
| TERMINAL (d) | 1/28 (4%) | 0/26 (0%) | 1/35 (3%) | 1/38 (3%) |
| FIRST INCIDENCE | 727 (T) | 35 | 626 | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.590N | P=0.724N | P=0.570 | P=0.711N |
| POLY 1.5 | P=0.600N | P=0.727N | P=0.557 | P=0.718N |
| POLY 6 | P=0.578N | P=0.727N | P=0.581 | P=0.704N |
| COCH-ARM / FISHERS | P=0.613 | P=0.736N | P=0.516 | P=0.731N |
| MAX-ISO-POLY-3 | P=0.628N | P=0.456N | P=0.354 | P=0.442N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 CAS Number: 79-94-7

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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pituitary Gland Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 3/49 (6%) | 0/50 (0%) | 3/48 (6%) |
| POLY-3 RATE (b) | 1/39.72 | 3/42.37 | 0/45.21 | 3/43.18 |
| POLY-3 PERCENT (g) | 2.5% | 7.1% | 0% | 7% |
| TERMINAL (d) | 1/33 (3%) | 0/28 (0%) | 0/38 (0%) | 2/38 (5%) |
| FIRST INCIDENCE | 727 (T) | 514 | --- | 531 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.354 | P=0.328 | P=0.474N | P=0.336 |
| POLY 1.5 | P=0.344 | P=0.322 | P=0.480N | P=0.325 |
| POLY 6 | P=0.364 | P=0.329 | P=0.470N | P=0.347 |
| COCH-ARM / FISHERS | P=0.311 | P=0.301 | P=0.500N | P=0.293 |
| MAX-ISO-POLY-3 | P=0.274 | P=0.179 | P=0.158N | P=0.187 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------|---------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |

Pituitary Gland: Pars Distalis
Hyperplasia

LESION RATES

| | | | | |
|--------------------|------------|------------|------------|------------|
| OVERALL (a) | 8/50 (16%) | 8/49 (16%) | 9/50 (18%) | 7/48 (15%) |
| POLY-3 RATE (b) | 8/41.42 | 8/41.14 | 9/45.60 | 7/42.57 |
| POLY-3 PERCENT (g) | 19.3% | 19.4% | 19.7% | 16.5% |
| TERMINAL (d) | 6/33 (18%) | 8/28 (29%) | 8/38 (21%) | 7/38 (18%) |
| FIRST INCIDENCE | 244 | 727 (T) | 618 | 727 (T) |

STATISTICAL TESTS

| | | | | |
|--------------------|----------|---------|---------|----------|
| POLY 3 | P=0.409N | P=0.604 | P=0.587 | P=0.477N |
| POLY 1.5 | P=0.425N | P=0.609 | P=0.568 | P=0.487N |
| POLY 6 | P=0.387N | P=0.584 | P=0.602 | P=0.465N |
| COCH-ARM / FISHERS | P=0.480N | P=0.590 | P=0.500 | P=0.535N |
| MAX-ISO-POLY-3 | P=0.573N | P=0.493 | P=0.480 | P=0.368N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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Tetrabromobisphenol A
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pituitary Gland: Pars Intermedia Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 2/49 (4%) | 2/50 (4%) | 2/48 (4%) |
| POLY-3 RATE (b) | 2/39.72 | 2/41.14 | 2/45.21 | 2/42.57 |
| POLY-3 PERCENT (g) | 5% | 4.9% | 4.4% | 4.7% |
| TERMINAL (d) | 2/33 (6%) | 2/28 (7%) | 2/38 (5%) | 2/38 (5%) |
| FIRST INCIDENCE | 727 (T) | 727 (T) | 727 (T) | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.571N | P=0.682N | P=0.646N | P=0.669N |
| POLY 1.5 | P=0.581N | P=0.683N | P=0.657N | P=0.678N |
| POLY 6 | P=0.560N | P=0.688N | P=0.639N | P=0.661N |
| COCH-ARM / FISHERS | P=0.582 | P=0.684 | P=0.691N | P=0.676 |
| MAX-ISO-POLY-3 | P=0.704N | P=0.485N | P=0.449N | P=0.472N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

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 Tetrabromobisphenol A
 CAS Number: 79-94-7

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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-------------------------------------|-----------|------------|-------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Preputial Gland Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 6/50 (12%) | 10/50 (20%) | 3/50 (6%) |
| POLY-3 RATE (b) | 1/39.72 | 6/42.50 | 10/45.50 | 3/45.52 |
| POLY-3 PERCENT (g) | 2.5% | 14.1% | 22% | 6.6% |
| TERMINAL (d) | 1/33 (3%) | 3/28 (11%) | 8/38 (21%) | 1/39 (3%) |
| FIRST INCIDENCE | 727 (T) | 596 | 654 | 447 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.516 | P=0.066 | P=0.008** | P=0.356 |
| POLY 1.5 | P=0.479 | P=0.065 | P=0.007** | P=0.343 |
| POLY 6 | P=0.554 | P=0.065 | P=0.009** | P=0.367 |
| COCH-ARM / FISHERS | P=0.375 | P=0.056 | P=0.004** | P=0.309 |
| MAX-ISO-POLY-3 | P=0.085 | P=0.033* | P=0.005** | P=0.205 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Prostate Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 2/39.85 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 5% | 0% | 0% | 0% |
| TERMINAL (d) | 1/33 (3%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | 695 | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.117N | P=0.226N | P=0.210N | P=0.215N |
| POLY 1.5 | P=0.117N | P=0.227N | P=0.216N | P=0.219N |
| POLY 6 | P=0.115N | P=0.231N | P=0.207N | P=0.211N |
| COCH-ARM / FISHERS | P=0.115N | P=0.247N | P=0.247N | P=0.247N |
| MAX-ISO-POLY-3 | P=0.032N* | P=0.075N | P=0.075N | P=0.075N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|------------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Prostate Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 12/50 (24%) | 19/50 (38%) | 12/50 (24%) | 14/50 (28%) |
| POLY-3 RATE (b) | 12/44.56 | 19/46.64 | 12/47.10 | 14/45.62 |
| POLY-3 PERCENT (g) | 26.9% | 40.7% | 25.5% | 30.7% |
| TERMINAL (d) | 3/33 (9%) | 6/28 (21%) | 6/38 (16%) | 11/39 (28%) |
| FIRST INCIDENCE | 244 | 35 | 567 | 387 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.484N | P=0.119 | P=0.532N | P=0.436 |
| POLY 1.5 | P=0.473N | P=0.121 | P=0.537N | P=0.446 |
| POLY 6 | P=0.499N | P=0.110 | P=0.533N | P=0.419 |
| COCH-ARM / FISHERS | P=0.511N | P=0.097 | P=0.592N | P=0.410 |
| MAX-ISO-POLY-3 | P=0.440N | P=0.085 | P=0.437N | P=0.348 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/23/2013

Time Report Requested: 15:06:23

First Dose M/F: 07/25/07 / 07/26/07

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-------------------------------------|-----------|------------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Seminal Vesicle Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 3/50 (6%) | 5/50 (10%) | 2/50 (4%) | 1/50 (2%) |
| POLY-3 RATE (b) | 3/41.06 | 5/44.32 | 2/45.50 | 1/44.14 |
| POLY-3 PERCENT (g) | 7.3% | 11.3% | 4.4% | 2.3% |
| TERMINAL (d) | 1/33 (3%) | 0/28 (0%) | 0/38 (0%) | 1/39 (3%) |
| FIRST INCIDENCE | 244 | 35 | 654 | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.115N | P=0.399 | P=0.453N | P=0.279N |
| POLY 1.5 | P=0.119N | P=0.393 | P=0.464N | P=0.284N |
| POLY 6 | P=0.111N | P=0.396 | P=0.447N | P=0.276N |
| COCH-ARM / FISHERS | P=0.135N | P=0.357 | P=0.500N | P=0.309N |
| MAX-ISO-POLY-3 | P=0.157N | P=0.273 | P=0.293N | P=0.145N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-------------|------------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Skin | | | | |
| Ulcer | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 10/50 (20%) | 7/50 (14%) | 3/50 (6%) | 6/50 (12%) |
| POLY-3 RATE (b) | 10/41.08 | 7/42.04 | 3/45.21 | 6/44.14 |
| POLY-3 PERCENT (g) | 24.3% | 16.7% | 6.6% | 13.6% |
| TERMINAL (d) | 6/33 (18%) | 6/28 (21%) | 3/38 (8%) | 6/39 (15%) |
| FIRST INCIDENCE | 542 | 657 | 727 (T) | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.113N | P=0.275N | P=0.021N* | P=0.160N |
| POLY 1.5 | P=0.119N | P=0.269N | P=0.023N* | P=0.165N |
| POLY 6 | P=0.108N | P=0.302N | P=0.021N* | P=0.161N |
| COCH-ARM / FISHERS | P=0.143N | P=0.298N | P=0.036N* | P=0.207N |
| MAX-ISO-POLY-3 | P=0.058N | P=0.195N | P=0.013N* | P=0.109N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---|------------|-------------|------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Spleen | | | | |
| Hematopoietic Cell Proliferation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 8/50 (16%) | 15/50 (30%) | 9/50 (18%) | 10/50 (20%) |
| POLY-3 RATE (b) | 8/41.76 | 15/43.88 | 9/47.74 | 10/45.57 |
| POLY-3 PERCENT (g) | 19.2% | 34.2% | 18.9% | 22% |
| TERMINAL (d) | 4/33 (12%) | 9/28 (32%) | 4/38 (11%) | 7/39 (18%) |
| FIRST INCIDENCE | 2 | 35 | 393 | 531 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.419N | P=0.090 | P=0.591N | P=0.477 |
| POLY 1.5 | P=0.448N | P=0.091 | P=0.586 | P=0.457 |
| POLY 6 | P=0.394N | P=0.082 | P=0.568N | P=0.494 |
| COCH-ARM / FISHERS | P=0.523N | P=0.077 | P=0.500 | P=0.398 |
| MAX-ISO-POLY-3 | P=0.400N | P=0.060 | P=0.485N | P=0.378 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

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 Tetrabromobisphenol A
 CAS Number: 79-94-7

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|------------|------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Spleen: Lymphoid Follicle Atrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 6/50 (12%) | 5/50 (10%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 6/44.00 | 5/44.11 | 0/45.21 | 2/45.21 |
| POLY-3 PERCENT (g) | 13.6% | 11.3% | 0% | 4.4% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | 2 | 35 | --- | 517 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.040N* | P=0.498N | P=0.014N* | P=0.124N |
| POLY 1.5 | P=0.041N* | P=0.493N | P=0.014N* | P=0.127N |
| POLY 6 | P=0.038N* | P=0.515N | P=0.014N* | P=0.121N |
| COCH-ARM / FISHERS | P=0.045N* | P=0.500N | P=0.013N* | P=0.134N |
| MAX-ISO-POLY-3 | P=0.029N* | P=0.371N | P=0.004N** | P=0.066N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|------------|------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Forestomach Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 6/50 (12%) | 5/50 (10%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 6/42.40 | 5/43.15 | 0/45.21 | 1/44.14 |
| POLY-3 PERCENT (g) | 14.2% | 11.6% | 0% | 2.3% |
| TERMINAL (d) | 1/33 (3%) | 0/28 (0%) | 0/38 (0%) | 1/39 (3%) |
| FIRST INCIDENCE | 485 | 500 | --- | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.011N* | P=0.488N | P=0.012N* | P=0.049N* |
| POLY 1.5 | P=0.011N* | P=0.480N | P=0.012N* | P=0.049N* |
| POLY 6 | P=0.011N* | P=0.509N | P=0.012N* | P=0.051N |
| COCH-ARM / FISHERS | P=0.013N* | P=0.500N | P=0.013N* | P=0.056N |
| MAX-ISO-POLY-3 | P=0.013N* | P=0.362N | P=0.004N** | P=0.022N* |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Forestomach Ulcer | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 2/50 (4%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/39.72 | 1/42.46 | 2/46.05 | 0/44.14 |
| POLY-3 PERCENT (g) | 2.5% | 2.4% | 4.3% | 0% |
| TERMINAL (d) | 1/33 (3%) | 0/28 (0%) | 1/38 (3%) | 0/39 (0%) |
| FIRST INCIDENCE | 727 (T) | 497 | 393 | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.335N | P=0.746N | P=0.551 | P=0.479N |
| POLY 1.5 | P=0.342N | P=0.748N | P=0.539 | P=0.483N |
| POLY 6 | P=0.327N | P=0.749N | P=0.559 | P=0.475N |
| COCH-ARM / FISHERS | P=0.366N | P=0.753N | P=0.500 | P=0.500N |
| MAX-ISO-POLY-3 | P=0.304N | P=0.481N | P=0.336 | P=0.158N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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CAS Number: 79-94-7

Date Report Requested: 01/23/2013
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Glandular Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 1/50 (2%) | 1/50 (2%) |
| POLY-3 RATE (b) | 1/39.72 | 2/42.15 | 1/45.57 | 1/44.14 |
| POLY-3 PERCENT (g) | 2.5% | 4.7% | 2.2% | 2.3% |
| TERMINAL (d) | 1/33 (3%) | 1/28 (4%) | 0/38 (0%) | 1/39 (3%) |
| FIRST INCIDENCE | 727 (T) | 622 | 626 | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.496N | P=0.521 | P=0.729N | P=0.737N |
| POLY 1.5 | P=0.503N | P=0.518 | P=0.737N | P=0.742N |
| POLY 6 | P=0.489N | P=0.516 | P=0.723N | P=0.732N |
| COCH-ARM / FISHERS | P=0.531N | P=0.500 | P=0.753N | P=0.753N |
| MAX-ISO-POLY-3 | P=0.565N | P=0.303 | P=0.463N | P=0.470N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Glandular Mineralization | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 3/50 (6%) | 4/50 (8%) | 1/50 (2%) |
| POLY-3 RATE (b) | 0/39.72 | 3/41.78 | 4/45.21 | 1/44.75 |
| POLY-3 PERCENT (g) | 0% | 7.2% | 8.9% | 2.2% |
| TERMINAL (d) | 0/33 (0%) | 3/28 (11%) | 4/38 (11%) | 0/39 (0%) |
| FIRST INCIDENCE | --- | 727 (T) | 727 (T) | 534 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.586 | P=0.127 | P=0.078 | P=0.524 |
| POLY 1.5 | P=0.566 | P=0.127 | P=0.074 | P=0.518 |
| POLY 6 | P=0.599N | P=0.123 | P=0.081 | P=0.529 |
| COCH-ARM / FISHERS | P=0.500 | P=0.121 | P=0.059 | P=0.500 |
| MAX-ISO-POLY-3 | P=0.171 | P=0.045* | P=0.034* | P=0.187 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Glandular Ulcer | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) |
| POLY-3 RATE (b) | 1/40.70 | 0/41.78 | 1/45.60 | 1/44.14 |
| POLY-3 PERCENT (g) | 2.5% | 0% | 2.2% | 2.3% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 1/39 (3%) |
| FIRST INCIDENCE | 196 | --- | 618 | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Testes | | | | |
| Edema | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 35/50 (70%) | 32/50 (64%) | 37/50 (74%) | 36/50 (72%) |
| POLY-3 RATE (b) | 35/40.99 | 32/43.45 | 37/45.90 | 36/45.76 |
| POLY-3 PERCENT (g) | 85.4% | 73.7% | 80.6% | 78.7% |
| TERMINAL (d) | 30/33 (91%) | 24/28 (86%) | 34/38 (90%) | 33/39 (85%) |
| FIRST INCIDENCE | 622 | 549 | 626 | 447 |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.404N | P=0.117N | P=0.368N | P=0.280N |
| POLY 1.5 | P=0.491N | P=0.158N | P=0.464N | P=0.374N |
| POLY 6 | P=0.326N | P=0.117N | P=0.330N | P=0.229N |
| COCH-ARM / FISHERS | P=0.338 | P=0.335N | P=0.412 | P=0.500 |
| MAX-ISO-POLY-3 | P=0.292N | P=0.073N | P=0.268N | P=0.199N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|------------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Testes: Germinal Epithelium Atrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 4/50 (8%) | 1/50 (2%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/39.72 | 4/42.46 | 1/45.21 | 2/44.14 |
| POLY-3 PERCENT (g) | 0% | 9.4% | 2.2% | 4.5% |
| TERMINAL (d) | 0/33 (0%) | 3/28 (11%) | 1/38 (3%) | 2/39 (5%) |
| FIRST INCIDENCE | --- | 497 | 727 (T) | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.484 | P=0.069 | P=0.526 | P=0.261 |
| POLY 1.5 | P=0.472 | P=0.068 | P=0.520 | P=0.256 |
| POLY 6 | P=0.494 | P=0.066 | P=0.529 | P=0.266 |
| COCH-ARM / FISHERS | P=0.423 | P=0.059 | P=0.500 | P=0.247 |
| MAX-ISO-POLY-3 | P=0.198 | P=0.026* | P=0.190 | P=0.099 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|---|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Testes: Germinal Epithelium Mineralization | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/39.72 | 0/41.78 | 0/45.21 | 2/44.14 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 4.5% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 2/39 (5%) |
| FIRST INCIDENCE | --- | --- | --- | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.049* | (e) | (e) | P=0.261 |
| POLY 1.5 | P=0.048* | (e) | (e) | P=0.256 |
| POLY 6 | P=0.051 | (e) | (e) | P=0.266 |
| COCH-ARM / FISHERS | P=0.046* | (e) | (e) | P=0.247 |
| MAX-ISO-POLY-3 | P=0.053 | (e) | (e) | P=0.099 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Thymus Atrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 39/49 (80%) | 46/49 (94%) | 44/49 (90%) | 45/50 (90%) |
| POLY-3 RATE (b) | 39/44.65 | 46/47.81 | 44/47.32 | 45/48.59 |
| POLY-3 PERCENT (g) | 87.4% | 96.2% | 93% | 92.6% |
| TERMINAL (d) | 28/33 (85%) | 27/28 (96%) | 36/38 (95%) | 36/39 (92%) |
| FIRST INCIDENCE | 244 | 397 | 574 | 387 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.374 | P=0.109 | P=0.279 | P=0.301 |
| POLY 1.5 | P=0.364 | P=0.076 | P=0.268 | P=0.274 |
| POLY 6 | P=0.364 | P=0.128 | P=0.260 | P=0.309 |
| COCH-ARM / FISHERS | P=0.165 | P=0.035* | P=0.131 | P=0.122 |
| MAX-ISO-POLY-3 | P=0.182 | P=0.057 | P=0.177 | P=0.198 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Thymus Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/49 (2%) | 0/49 (0%) | 0/49 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/39.05 | 0/41.20 | 0/44.86 | 0/44.14 |
| POLY-3 PERCENT (g) | 2.6% | 0% | 0% | 0% |
| TERMINAL (d) | 1/33 (3%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | 727 (T) | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Thyroid Gland: C-Cell Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 16/50 (32%) | 27/50 (54%) | 26/50 (52%) | 19/50 (38%) |
| POLY-3 RATE (b) | 16/41.85 | 27/44.41 | 26/47.96 | 19/45.58 |
| POLY-3 PERCENT (g) | 38.2% | 60.8% | 54.2% | 41.7% |
| TERMINAL (d) | 13/33 (39%) | 16/28 (57%) | 18/38 (47%) | 15/39 (39%) |
| FIRST INCIDENCE | 465 | 549 | 511 | 534 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.396N | P=0.026* | P=0.094 | P=0.456 |
| POLY 1.5 | P=0.432N | P=0.025* | P=0.073 | P=0.433 |
| POLY 6 | P=0.351N | P=0.025* | P=0.121 | P=0.487 |
| COCH-ARM / FISHERS | P=0.500 | P=0.021* | P=0.034* | P=0.338 |
| MAX-ISO-POLY-3 | P=0.164 | P=0.017* | P=0.075 | P=0.374 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Thyroid Gland: Follicle Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 3/50 (6%) | 0/50 (0%) | 2/50 (4%) | 2/50 (4%) |
| POLY-3 RATE (b) | 3/39.72 | 0/41.78 | 2/45.21 | 2/44.14 |
| POLY-3 PERCENT (g) | 7.6% | 0% | 4.4% | 4.5% |
| TERMINAL (d) | 3/33 (9%) | 0/28 (0%) | 2/38 (5%) | 2/39 (5%) |
| FIRST INCIDENCE | 727 (T) | --- | 727 (T) | 727 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.557N | P=0.109N | P=0.441N | P=0.452N |
| POLY 1.5 | P=0.563N | P=0.110N | P=0.454N | P=0.462N |
| POLY 6 | P=0.545N | P=0.112N | P=0.433N | P=0.443N |
| COCH-ARM / FISHERS | P=0.577N | P=0.121N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.266N | P=0.037N* | P=0.285N | P=0.292N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Males | | | |
|-----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Trachea Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 2/40.91 | 0/41.78 | 0/45.21 | 0/44.14 |
| POLY-3 PERCENT (g) | 4.9% | 0% | 0% | 0% |
| TERMINAL (d) | 0/33 (0%) | 0/28 (0%) | 0/38 (0%) | 0/39 (0%) |
| FIRST INCIDENCE | 533 | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.115N | P=0.232N | P=0.216N | P=0.220N |
| POLY 1.5 | P=0.116N | P=0.230N | P=0.219N | P=0.223N |
| POLY 6 | P=0.112N | P=0.240N | P=0.214N | P=0.219N |
| COCH-ARM / FISHERS | P=0.115N | P=0.247N | P=0.247N | P=0.247N |
| MAX-ISO-POLY-3 | P=0.032N* | P=0.076N | P=0.076N | P=0.076N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-------------|------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Cortex | | | | |
| Angiectasis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 12/50 (24%) | 7/50 (14%) | 6/50 (12%) | 9/50 (18%) |
| POLY-3 RATE (b) | 12/43.39 | 7/43.94 | 6/38.67 | 9/42.17 |
| POLY-3 PERCENT (g) | 27.7% | 15.9% | 15.5% | 21.3% |
| TERMINAL (d) | 10/34 (29%) | 5/34 (15%) | 5/29 (17%) | 7/33 (21%) |
| FIRST INCIDENCE | 545 | 624 | 637 | 684 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.365N | P=0.141N | P=0.143N | P=0.334N |
| POLY 1.5 | P=0.351N | P=0.144N | P=0.123N | P=0.325N |
| POLY 6 | P=0.383N | P=0.142N | P=0.168N | P=0.350N |
| COCH-ARM / FISHERS | P=0.328N | P=0.154N | P=0.096N | P=0.312N |
| MAX-ISO-POLY-3 | P=0.199N | P=0.092N | P=0.103N | P=0.252N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---------------------------------------|------------|------------|------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Cortex Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 7/50 (14%) | 7/50 (14%) | 7/50 (14%) | 11/50 (22%) |
| POLY-3 RATE (b) | 7/44.12 | 7/43.60 | 7/38.47 | 11/43.26 |
| POLY-3 PERCENT (g) | 15.9% | 16.1% | 18.2% | 25.4% |
| TERMINAL (d) | 5/34 (15%) | 5/34 (15%) | 6/29 (21%) | 8/33 (24%) |
| FIRST INCIDENCE | 464 | 713 | 697 | 531 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.128 | P=0.605 | P=0.505 | P=0.200 |
| POLY 1.5 | P=0.135 | P=0.611 | P=0.546 | P=0.206 |
| POLY 6 | P=0.121 | P=0.593 | P=0.460 | P=0.191 |
| COCH-ARM / FISHERS | P=0.148 | P=0.613N | P=0.613N | P=0.218 |
| MAX-ISO-POLY-3 | P=0.200 | P=0.490 | P=0.394 | P=0.136 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Cortex | | | | |
| Necrosis | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 1/43.91 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 0% | 2.3% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | 614 | --- | --- |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------|---------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |

Adrenal Cortex
Vacuolization Cytoplasmic

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|-----------|
| OVERALL (a) | 2/50 (4%) | 3/50 (6%) | 5/50 (10%) | 2/50 (4%) |
| POLY-3 RATE (b) | 2/42.80 | 3/43.77 | 5/39.45 | 2/41.83 |
| POLY-3 PERCENT (g) | 4.7% | 6.9% | 12.7% | 4.8% |
| TERMINAL (d) | 2/34 (6%) | 2/34 (6%) | 1/29 (3%) | 2/33 (6%) |
| FIRST INCIDENCE | 728 (T) | 658 | 545 | 728 (T) |

STATISTICAL TESTS

| | | | | |
|--------------------|---------|---------|---------|----------|
| POLY 3 | P=0.558 | P=0.510 | P=0.183 | P=0.686 |
| POLY 1.5 | P=0.567 | P=0.508 | P=0.194 | P=0.689 |
| POLY 6 | P=0.544 | P=0.510 | P=0.173 | P=0.680 |
| COCH-ARM / FISHERS | P=0.580 | P=0.500 | P=0.218 | P=0.691N |
| MAX-ISO-POLY-3 | P=0.392 | P=0.334 | P=0.105 | P=0.490 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|-----------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Medulla Hemorrhage | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/41.80 | 0/43.51 | 0/38.34 | 2/42.42 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 4.7% |
| TERMINAL (d) | 0/33 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 607 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.044* | (e) | (e) | P=0.240 |
| POLY 1.5 | P=0.045* | (e) | (e) | P=0.241 |
| POLY 6 | P=0.044* | (e) | (e) | P=0.239 |
| COCH-ARM / FISHERS | P=0.047* | (e) | (e) | P=0.253 |
| MAX-ISO-POLY-3 | P=0.034* | (e) | (e) | P=0.078 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Adrenal Medulla Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/49 (4%) | 2/50 (4%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 2/41.80 | 2/43.88 | 0/38.34 | 2/42.00 |
| POLY-3 PERCENT (g) | 4.8% | 4.6% | 0% | 4.8% |
| TERMINAL (d) | 2/33 (6%) | 1/34 (3%) | 0/29 (0%) | 1/33 (3%) |
| FIRST INCIDENCE | 728 (T) | 624 | --- | 684 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.565N | P=0.677N | P=0.257N | P=0.693N |
| POLY 1.5 | P=0.559N | P=0.679N | P=0.248N | P=0.690N |
| POLY 6 | P=0.573N | P=0.676N | P=0.267N | P=0.692 |
| COCH-ARM / FISHERS | P=0.550N | P=0.684N | P=0.242N | P=0.684N |
| MAX-ISO-POLY-3 | P=0.460N | P=0.479N | P=0.095N | P=0.497N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------------------------------|-------------|-------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Brain Compression | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 11/50 (22%) | 10/50 (20%) | 9/50 (18%) | 6/50 (12%) |
| POLY-3 RATE (b) | 11/46.51 | 10/45.89 | 9/41.08 | 6/42.96 |
| POLY-3 PERCENT (g) | 23.7% | 21.8% | 21.9% | 14% |
| TERMINAL (d) | 2/34 (6%) | 2/34 (6%) | 3/29 (10%) | 3/33 (9%) |
| FIRST INCIDENCE | 464 | 492 | 488 | 531 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.151N | P=0.514N | P=0.524N | P=0.185N |
| POLY 1.5 | P=0.132N | P=0.505N | P=0.479N | P=0.166N |
| POLY 6 | P=0.182N | P=0.529N | P=0.575N | P=0.214N |
| COCH-ARM / FISHERS | P=0.107N | P=0.500N | P=0.402N | P=0.143N |
| MAX-ISO-POLY-3 | P=0.219N | P=0.415N | P=0.426N | P=0.131N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Clitoral Gland Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 4/50 (8%) | 2/50 (4%) | 4/50 (8%) | 5/50 (10%) |
| POLY-3 RATE (b) | 4/42.80 | 2/44.08 | 4/39.02 | 5/42.36 |
| POLY-3 PERCENT (g) | 9.3% | 4.5% | 10.3% | 11.8% |
| TERMINAL (d) | 3/34 (9%) | 1/34 (3%) | 2/29 (7%) | 3/33 (9%) |
| FIRST INCIDENCE | 726 | 548 | 545 | 625 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.291 | P=0.323N | P=0.592 | P=0.493 |
| POLY 1.5 | P=0.297 | P=0.327N | P=0.610 | P=0.496 |
| POLY 6 | P=0.284 | P=0.322N | P=0.572 | P=0.488 |
| COCH-ARM / FISHERS | P=0.309 | P=0.339N | P=0.643N | P=0.500 |
| MAX-ISO-POLY-3 | P=0.347 | P=0.193N | P=0.447 | P=0.356 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Esophagus Perforation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 3/50 (6%) | 0/49 (0%) | 0/50 (0%) | 3/50 (6%) |
| POLY-3 RATE (b) | 3/45.42 | 0/42.91 | 0/38.34 | 3/44.02 |
| POLY-3 PERCENT (g) | 6.6% | 0% | 0% | 6.8% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 364 | --- | --- | 191 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.438 | P=0.129N | P=0.152N | P=0.648 |
| POLY 1.5 | P=0.442 | P=0.127N | P=0.140N | P=0.653 |
| POLY 6 | P=0.434 | P=0.131N | P=0.165N | P=0.641 |
| COCH-ARM / FISHERS | P=0.447 | P=0.125N | P=0.121N | P=0.661N |
| MAX-ISO-POLY-3 | P=0.199 | P=0.046N* | P=0.067N | P=0.484 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Eye Cataract | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/48 (0%) | 2/49 (4%) | 1/49 (2%) |
| POLY-3 RATE (b) | 0/42.80 | 0/42.53 | 2/38.40 | 1/41.43 |
| POLY-3 PERCENT (g) | 0% | 0% | 5.2% | 2.4% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 1/29 (3%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | --- | 529 | 684 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.238 | (e) | P=0.213 | P=0.494 |
| POLY 1.5 | P=0.240 | (e) | P=0.220 | P=0.494 |
| POLY 6 | P=0.235 | (e) | P=0.207 | P=0.492 |
| COCH-ARM / FISHERS | P=0.244 | (e) | P=0.242 | P=0.495 |
| MAX-ISO-POLY-3 | P=0.158 | (e) | P=0.074 | P=0.157 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Eye: Retina | | | | |
| Atrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 2/48 (4%) | 3/49 (6%) | 4/49 (8%) |
| POLY-3 RATE (b) | 0/42.80 | 2/42.53 | 3/37.78 | 4/41.94 |
| POLY-3 PERCENT (g) | 0% | 4.7% | 7.9% | 9.5% |
| TERMINAL (d) | 0/34 (0%) | 2/34 (6%) | 3/29 (10%) | 1/33 (3%) |
| FIRST INCIDENCE | --- | 728 (T) | 728 (T) | 630 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.044* | P=0.236 | P=0.097 | P=0.057 |
| POLY 1.5 | P=0.044* | P=0.233 | P=0.103 | P=0.057 |
| POLY 6 | P=0.043* | P=0.236 | P=0.091 | P=0.057 |
| COCH-ARM / FISHERS | P=0.047* | P=0.237 | P=0.117 | P=0.056 |
| MAX-ISO-POLY-3 | P=0.039* | P=0.077 | P=0.037* | P=0.018* |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Harderian Gland Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/48 (0%) | 0/49 (0%) | 0/49 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 0/42.53 | 0/37.78 | 0/41.26 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|------------|-------------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Heart | | | | |
| Cardiomyopathy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 9/50 (18%) | 10/50 (20%) | 3/50 (6%) | 7/50 (14%) |
| POLY-3 RATE (b) | 9/43.38 | 10/44.65 | 3/38.68 | 7/42.36 |
| POLY-3 PERCENT (g) | 20.8% | 22.4% | 7.8% | 16.5% |
| TERMINAL (d) | 8/34 (24%) | 8/34 (24%) | 2/29 (7%) | 5/33 (15%) |
| FIRST INCIDENCE | 545 | 383 | 636 | 630 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.245N | P=0.528 | P=0.087N | P=0.411N |
| POLY 1.5 | P=0.234N | P=0.522 | P=0.076N | P=0.404N |
| POLY 6 | P=0.258N | P=0.526 | P=0.101N | P=0.424N |
| COCH-ARM / FISHERS | P=0.217N | P=0.500 | P=0.061N | P=0.393N |
| MAX-ISO-POLY-3 | P=0.205N | P=0.425 | P=0.056N | P=0.310N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Heart: Endocardium Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 2/50 (4%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 2/42.80 | 2/43.51 | 1/38.67 | 0/41.83 |
| POLY-3 PERCENT (g) | 4.7% | 4.6% | 2.6% | 0% |
| TERMINAL (d) | 1/34 (3%) | 2/34 (6%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 726 | 728 (T) | 639 | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.133N | P=0.688N | P=0.535N | P=0.242N |
| POLY 1.5 | P=0.130N | P=0.689N | P=0.523N | P=0.240N |
| POLY 6 | P=0.137N | P=0.691N | P=0.549N | P=0.246N |
| COCH-ARM / FISHERS | P=0.125N | P=0.691N | P=0.500N | P=0.247N |
| MAX-ISO-POLY-3 | P=0.167N | P=0.493N | P=0.319N | P=0.081N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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CAS Number: 79-94-7

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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Intestine Large, Colon Ulcer | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 0/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Intestine Large, Rectum Parasite Metazoan | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 3/50 (6%) | 2/50 (4%) | 2/50 (4%) | 1/50 (2%) |
| POLY-3 RATE (b) | 3/43.67 | 2/44.40 | 2/38.89 | 1/41.83 |
| POLY-3 PERCENT (g) | 6.9% | 4.5% | 5.1% | 2.4% |
| TERMINAL (d) | 2/34 (6%) | 1/34 (3%) | 1/29 (3%) | 1/33 (3%) |
| FIRST INCIDENCE | 364 | 355 | 561 | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.253N | P=0.493N | P=0.553N | P=0.321N |
| POLY 1.5 | P=0.246N | P=0.494N | P=0.534N | P=0.315N |
| POLY 6 | P=0.261N | P=0.495N | P=0.571N | P=0.329N |
| COCH-ARM / FISHERS | P=0.232N | P=0.500N | P=0.500N | P=0.309N |
| MAX-ISO-POLY-3 | P=0.274N | P=0.318N | P=0.378N | P=0.170N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

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 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 1/50 (2%) | 2/50 (4%) | 0/50 (0%) |
| POLY-3 RATE (b) | 2/43.37 | 1/43.78 | 2/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 4.6% | 2.3% | 5.2% | 0% |
| TERMINAL (d) | 1/34 (3%) | 0/34 (0%) | 2/29 (7%) | 0/33 (0%) |
| FIRST INCIDENCE | 546 | 656 | 728 (T) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.213N | P=0.497N | P=0.649 | P=0.245N |
| POLY 1.5 | P=0.208N | P=0.497N | P=0.666 | P=0.242N |
| POLY 6 | P=0.219N | P=0.499N | P=0.629 | P=0.251N |
| COCH-ARM / FISHERS | P=0.200N | P=0.500N | P=0.691N | P=0.247N |
| MAX-ISO-POLY-3 | P=0.172N | P=0.279N | P=0.452 | P=0.083N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney | | | | |
| Hydronephrosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 1/43.07 | 1/44.08 | 0/38.34 | 2/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 2.3% | 0% | 4.8% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 2/33 (6%) |
| FIRST INCIDENCE | 655 | 548 | --- | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.352 | P=0.756N | P=0.523N | P=0.490 |
| POLY 1.5 | P=0.358 | P=0.757N | P=0.514N | P=0.494 |
| POLY 6 | P=0.344 | P=0.757N | P=0.533N | P=0.481 |
| COCH-ARM / FISHERS | P=0.366 | P=0.753N | P=0.500N | P=0.500 |
| MAX-ISO-POLY-3 | P=0.276 | P=0.493N | P=0.187N | P=0.274 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 0/42.80 | 2/43.51 | 0/38.34 | 1/41.83 |
| POLY-3 PERCENT (g) | 0% | 4.6% | 0% | 2.4% |
| TERMINAL (d) | 0/34 (0%) | 2/34 (6%) | 0/29 (0%) | 1/33 (3%) |
| FIRST INCIDENCE | --- | 728 (T) | --- | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.528 | P=0.241 | (e) | P=0.495 |
| POLY 1.5 | P=0.533 | P=0.240 | (e) | P=0.497 |
| POLY 6 | P=0.520 | P=0.239 | (e) | P=0.492 |
| COCH-ARM / FISHERS | P=0.539 | P=0.247 | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.326 | P=0.079 | (e) | P=0.158 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|-----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney | | | | |
| Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/43.07 | 0/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 0% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 655 | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|-------------------------------|------------|-------------|-------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney Nephropathy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 9/50 (18%) | 15/50 (30%) | 13/50 (26%) | 9/50 (18%) |
| POLY-3 RATE (b) | 9/43.29 | 15/46.23 | 13/41.91 | 9/43.22 |
| POLY-3 PERCENT (g) | 20.8% | 32.5% | 31% | 20.8% |
| TERMINAL (d) | 7/34 (21%) | 9/34 (27%) | 6/29 (21%) | 6/33 (18%) |
| FIRST INCIDENCE | 604 | 383 | 321 | 531 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.411N | P=0.156 | P=0.202 | P=0.603 |
| POLY 1.5 | P=0.403N | P=0.144 | P=0.212 | P=0.602 |
| POLY 6 | P=0.425N | P=0.163 | P=0.192 | P=0.597 |
| COCH-ARM / FISHERS | P=0.388N | P=0.121 | P=0.235 | P=0.602N |
| MAX-ISO-POLY-3 | P=0.353 | P=0.112 | P=0.143 | P=0.498 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

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 Tetrabromobisphenol A
 CAS Number: 79-94-7

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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney Thrombosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 2/44.06 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 0% | 4.5% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | 583 | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.413N | P=0.244 | (e) | (e) |
| POLY 1.5 | P=0.409N | P=0.242 | (e) | (e) |
| POLY 6 | P=0.420N | P=0.244 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.405N | P=0.247 | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.266N | P=0.082 | (e) | (e) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Kidney: Pelvis Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 4/50 (8%) | 3/50 (6%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/43.60 | 4/43.54 | 3/39.20 | 1/42.44 |
| POLY-3 PERCENT (g) | 4.6% | 9.2% | 7.7% | 2.4% |
| TERMINAL (d) | 0/34 (0%) | 3/34 (9%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 546 | 722 | 607 | 531 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.309N | P=0.336 | P=0.452 | P=0.509N |
| POLY 1.5 | P=0.302N | P=0.339 | P=0.469 | P=0.505N |
| POLY 6 | P=0.321N | P=0.328 | P=0.434 | P=0.517N |
| COCH-ARM / FISHERS | P=0.292N | P=0.339 | P=0.500 | P=0.500N |
| MAX-ISO-POLY-3 | P=0.284N | P=0.200 | P=0.291 | P=0.291N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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CAS Number: 79-94-7

Date Report Requested: 01/23/2013
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver Angiectasis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/42.80 | 1/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 2.3% | 0% | 0% |
| TERMINAL (d) | 1/34 (3%) | 1/34 (3%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | 728 (T) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Basophilic Focus | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 47/50 (94%) | 38/50 (76%) | 40/50 (80%) | 47/50 (94%) |
| POLY-3 RATE (b) | 47/49.11 | 38/45.82 | 40/45.87 | 47/48.25 |
| POLY-3 PERCENT (g) | 95.7% | 82.9% | 87.2% | 97.4% |
| TERMINAL (d) | 33/34 (97%) | 29/34 (85%) | 26/29 (90%) | 32/33 (97%) |
| FIRST INCIDENCE | 364 | 548 | 243 | 442 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.222 | P=0.033N* | P=0.111N | P=0.538 |
| POLY 1.5 | P=0.222 | P=0.018N* | P=0.064N | P=0.565 |
| POLY 6 | P=0.236 | P=0.068N | P=0.197N | P=0.521 |
| COCH-ARM / FISHERS | P=0.291 | P=0.011N* | P=0.036N* | P=0.661N |
| MAX-ISO-POLY-3 | P=0.077 | P=0.016N* | P=0.058N | P=0.316 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Clear Cell Focus | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 24/50 (48%) | 19/50 (38%) | 19/50 (38%) | 18/50 (36%) |
| POLY-3 RATE (b) | 24/42.80 | 19/43.94 | 19/38.95 | 18/41.83 |
| POLY-3 PERCENT (g) | 56.1% | 43.2% | 48.8% | 43% |
| TERMINAL (d) | 24/34 (71%) | 17/34 (50%) | 18/29 (62%) | 18/33 (55%) |
| FIRST INCIDENCE | 728 (T) | 624 | 533 | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.192N | P=0.157N | P=0.325N | P=0.155N |
| POLY 1.5 | P=0.180N | P=0.173N | P=0.277N | P=0.153N |
| POLY 6 | P=0.216N | P=0.146N | P=0.389N | P=0.168N |
| COCH-ARM / FISHERS | P=0.165N | P=0.210N | P=0.210N | P=0.156N |
| MAX-ISO-POLY-3 | P=0.174N | P=0.112N | P=0.257N | P=0.109N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Eosinophilic Focus | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 3/50 (6%) | 1/50 (2%) |
| POLY-3 RATE (b) | 1/42.80 | 2/44.37 | 3/38.68 | 1/42.41 |
| POLY-3 PERCENT (g) | 2.3% | 4.5% | 7.8% | 2.4% |
| TERMINAL (d) | 1/34 (3%) | 0/34 (0%) | 2/29 (7%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | 548 | 636 | 545 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.588N | P=0.513 | P=0.269 | P=0.759 |
| POLY 1.5 | P=0.584N | P=0.509 | P=0.282 | P=0.760 |
| POLY 6 | P=0.596N | P=0.515 | P=0.256 | P=0.757 |
| COCH-ARM / FISHERS | P=0.577N | P=0.500 | P=0.309 | P=0.753N |
| MAX-ISO-POLY-3 | P=0.442 | P=0.294 | P=0.141 | P=0.497 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-------------|-------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Fatty Change | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 11/50 (22%) | 12/50 (24%) | 7/50 (14%) | 7/50 (14%) |
| POLY-3 RATE (b) | 11/45.29 | 12/45.14 | 7/41.23 | 7/42.23 |
| POLY-3 PERCENT (g) | 24.3% | 26.6% | 17% | 16.6% |
| TERMINAL (d) | 4/34 (12%) | 5/34 (15%) | 2/29 (7%) | 6/33 (18%) |
| FIRST INCIDENCE | 545 | 614 | 310 | 615 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.154N | P=0.496 | P=0.284N | P=0.266N |
| POLY 1.5 | P=0.136N | P=0.501 | P=0.257N | P=0.244N |
| POLY 6 | P=0.184N | P=0.485 | P=0.321N | P=0.301N |
| COCH-ARM / FISHERS | P=0.115N | P=0.500 | P=0.218N | P=0.218N |
| MAX-ISO-POLY-3 | P=0.248N | P=0.399 | P=0.213N | P=0.195N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| <hr/> | | | | |
| Liver | | | | |
| Hepatodiaphragmatic Nodule | | | | |
| <hr/> | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/42.80 | 0/43.51 | 1/38.47 | 0/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 0% | 2.6% | 0% |
| TERMINAL (d) | 1/34 (3%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | --- | 697 | --- |
| <hr/> | | | | |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver | | | | |
| Mixed Cell Focus | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 13/50 (26%) | 22/50 (44%) | 12/50 (24%) | 20/50 (40%) |
| POLY-3 RATE (b) | 13/43.37 | 22/43.57 | 12/38.34 | 20/41.83 |
| POLY-3 PERCENT (g) | 30% | 50.5% | 31.3% | 47.8% |
| TERMINAL (d) | 12/34 (35%) | 21/34 (62%) | 12/29 (41%) | 20/33 (61%) |
| FIRST INCIDENCE | 548 | 713 | 728 (T) | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.141 | P=0.037* | P=0.544 | P=0.066 |
| POLY 1.5 | P=0.168 | P=0.041* | P=0.590N | P=0.079 |
| POLY 6 | P=0.108 | P=0.031* | P=0.481 | P=0.050* |
| COCH-ARM / FISHERS | P=0.216 | P=0.046* | P=0.500N | P=0.101 |
| MAX-ISO-POLY-3 | P=0.067 | P=0.023* | P=0.450 | P=0.044* |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver Necrosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 4/50 (8%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/42.80 | 1/43.77 | 4/40.45 | 2/42.00 |
| POLY-3 PERCENT (g) | 0% | 2.3% | 9.9% | 4.8% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 1/33 (3%) |
| FIRST INCIDENCE | --- | 658 | 321 | 684 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.153 | P=0.505 | P=0.053 | P=0.233 |
| POLY 1.5 | P=0.157 | P=0.503 | P=0.055 | P=0.235 |
| POLY 6 | P=0.147 | P=0.504 | P=0.050* | P=0.229 |
| COCH-ARM / FISHERS | P=0.165 | P=0.500 | P=0.059 | P=0.247 |
| MAX-ISO-POLY-3 | P=0.072 | P=0.164 | P=0.019* | P=0.076 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver: Bile Duct Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 0/50 (0%) | 3/50 (6%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/42.80 | 0/43.51 | 3/39.19 | 1/41.83 |
| POLY-3 PERCENT (g) | 4.7% | 0% | 7.7% | 2.4% |
| TERMINAL (d) | 2/34 (6%) | 0/34 (0%) | 1/29 (3%) | 1/33 (3%) |
| FIRST INCIDENCE | 728 (T) | --- | 572 | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.570N | P=0.233N | P=0.460 | P=0.508N |
| POLY 1.5 | P=0.565N | P=0.234N | P=0.474 | P=0.505N |
| POLY 6 | P=0.577N | P=0.234N | P=0.446 | P=0.514N |
| COCH-ARM / FISHERS | P=0.556N | P=0.247N | P=0.500 | P=0.500N |
| MAX-ISO-POLY-3 | P=0.418 | P=0.076N | P=0.296 | P=0.289N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Liver: Bile Duct Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 11/50 (22%) | 29/50 (58%) | 21/50 (42%) | 20/50 (40%) |
| POLY-3 RATE (b) | 11/43.14 | 29/47.83 | 21/41.01 | 20/43.53 |
| POLY-3 PERCENT (g) | 25.5% | 60.6% | 51.2% | 45.9% |
| TERMINAL (d) | 8/34 (24%) | 19/34 (56%) | 15/29 (52%) | 17/33 (52%) |
| FIRST INCIDENCE | 656 | 355 | 450 | 191 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.167 | P<0.001** | P=0.011* | P=0.035* |
| POLY 1.5 | P=0.188 | P<0.001** | P=0.014* | P=0.038* |
| POLY 6 | P=0.137 | P<0.001** | P=0.008** | P=0.030* |
| COCH-ARM / FISHERS | P=0.211 | P<0.001** | P=0.026* | P=0.041* |
| MAX-ISO-POLY-3 | P=0.006** | P<0.001** | P=0.007** | P=0.021* |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 0/50 (0%) | 3/50 (6%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/42.81 | 0/43.51 | 3/39.84 | 1/41.83 |
| POLY-3 PERCENT (g) | 4.7% | 0% | 7.5% | 2.4% |
| TERMINAL (d) | 1/34 (3%) | 0/34 (0%) | 0/29 (0%) | 1/33 (3%) |
| FIRST INCIDENCE | 725 | --- | 377 | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.570N | P=0.233N | P=0.467 | P=0.508N |
| POLY 1.5 | P=0.565N | P=0.234N | P=0.479 | P=0.505N |
| POLY 6 | P=0.577N | P=0.234N | P=0.454 | P=0.515N |
| COCH-ARM / FISHERS | P=0.556N | P=0.247N | P=0.500 | P=0.500N |
| MAX-ISO-POLY-3 | P=0.423 | P=0.076N | P=0.301 | P=0.289N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|-----------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung | | | | |
| Inflammation Granulomatous | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 0/50 (0%) | 4/50 (8%) |
| POLY-3 RATE (b) | 1/42.80 | 2/43.54 | 0/38.34 | 4/42.20 |
| POLY-3 PERCENT (g) | 2.3% | 4.6% | 0% | 9.5% |
| TERMINAL (d) | 1/34 (3%) | 1/34 (3%) | 0/29 (0%) | 3/33 (9%) |
| FIRST INCIDENCE | 728 (T) | 722 | --- | 625 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.100 | P=0.506 | P=0.522N | P=0.174 |
| POLY 1.5 | P=0.103 | P=0.505 | P=0.514N | P=0.176 |
| POLY 6 | P=0.097 | P=0.504 | P=0.531N | P=0.170 |
| COCH-ARM / FISHERS | P=0.108 | P=0.500 | P=0.500N | P=0.181 |
| MAX-ISO-POLY-3 | P=0.077 | P=0.287 | P=0.185N | P=0.082 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung | | | | |
| Metaplasia Osseous | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 0/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung: Alveolar Epithelium Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/42.80 | 2/43.51 | 1/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 4.6% | 2.6% | 0% |
| TERMINAL (d) | 1/34 (3%) | 2/34 (6%) | 1/29 (3%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | 728 (T) | 728 (T) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.258N | P=0.506 | P=0.736 | P=0.505N |
| POLY 1.5 | P=0.254N | P=0.505 | P=0.745 | P=0.503N |
| POLY 6 | P=0.265N | P=0.504 | P=0.725 | P=0.508N |
| COCH-ARM / FISHERS | P=0.247N | P=0.500 | P=0.753N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.242N | P=0.287 | P=0.469 | P=0.164N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lung: Bronchiole Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 1/43.67 | 1/43.51 | 0/38.34 | 1/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 2.3% | 0% | 2.4% |
| TERMINAL (d) | 0/34 (0%) | 1/34 (3%) | 0/29 (0%) | 1/33 (3%) |
| FIRST INCIDENCE | 364 | 728 (T) | --- | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Lymph Node, Mesenteric Ectasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 0/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Mammary Gland Galactocele | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 3/50 (6%) | 1/50 (2%) | 2/50 (4%) | 2/50 (4%) |
| POLY-3 RATE (b) | 3/43.39 | 1/43.79 | 2/38.66 | 2/41.83 |
| POLY-3 PERCENT (g) | 6.9% | 2.3% | 5.2% | 4.8% |
| TERMINAL (d) | 1/34 (3%) | 0/34 (0%) | 1/29 (3%) | 2/33 (6%) |
| FIRST INCIDENCE | 545 | 652 | 642 | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.521N | P=0.302N | P=0.552N | P=0.517N |
| POLY 1.5 | P=0.513N | P=0.302N | P=0.533N | P=0.509N |
| POLY 6 | P=0.531N | P=0.304N | P=0.573N | P=0.528N |
| COCH-ARM / FISHERS | P=0.500N | P=0.309N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.432N | P=0.152N | P=0.377N | P=0.341N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Mammary Gland Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/43.02 | 2/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 4.6% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 2/34 (6%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 668 | 728 (T) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.197N | P=0.504 | P=0.523N | P=0.506N |
| POLY 1.5 | P=0.193N | P=0.504 | P=0.514N | P=0.503N |
| POLY 6 | P=0.203N | P=0.500 | P=0.533N | P=0.510N |
| COCH-ARM / FISHERS | P=0.188N | P=0.500 | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.185N | P=0.285 | P=0.186N | P=0.165N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------------------------------------|------------|------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Mesentery: Fat Necrosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/2 (100%) | 3/8 (38%) | 2/5 (40%) | 2/4 (50%) |
| POLY-3 RATE (b) | 2/2.00 | 3/5.79 | 2/3.65 | 2/3.18 |
| POLY-3 PERCENT (g) | 100% | 51.8% | 54.8% | 62.8% |
| TERMINAL (d) | 1/1 (100%) | 3/3 (100%) | 2/2 (100%) | 1/1 (100%) |
| FIRST INCIDENCE | 364 | 728 (T) | 728 (T) | 501 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.456N | P=0.317N | P=0.428N | P=0.544N |
| POLY 1.5 | P=0.466N | P=0.252N | P=0.359N | P=0.454N |
| POLY 6 | P=0.471N | P=0.499N | P=0.524N | P=0.779N |
| COCH-ARM / FISHERS | P=0.485N | P=0.222N | P=0.286N | P=0.400N |
| MAX-ISO-POLY-3 | P=0.210N | P=0.087N | P=0.118N | P=0.138N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-------------|------------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Nose Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 11/50 (22%) | 8/50 (16%) | 7/50 (14%) | 9/50 (18%) |
| POLY-3 RATE (b) | 11/45.31 | 8/44.63 | 7/39.27 | 9/44.50 |
| POLY-3 PERCENT (g) | 24.3% | 17.9% | 17.8% | 20.2% |
| TERMINAL (d) | 5/34 (15%) | 6/34 (18%) | 5/29 (17%) | 5/33 (15%) |
| FIRST INCIDENCE | 364 | 383 | 531 | 191 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.415N | P=0.316N | P=0.325N | P=0.418N |
| POLY 1.5 | P=0.403N | P=0.308N | P=0.283N | P=0.407N |
| POLY 6 | P=0.434N | P=0.335N | P=0.374N | P=0.440N |
| COCH-ARM / FISHERS | P=0.389N | P=0.306N | P=0.218N | P=0.402N |
| MAX-ISO-POLY-3 | P=0.408N | P=0.233N | P=0.251N | P=0.324N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Nose: Olfactory Epithelium Degeneration | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 0/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Ovary Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 4/49 (8%) | 4/50 (8%) | 6/49 (12%) |
| POLY-3 RATE (b) | 2/42.80 | 4/43.19 | 4/38.34 | 6/40.99 |
| POLY-3 PERCENT (g) | 4.7% | 9.3% | 10.4% | 14.6% |
| TERMINAL (d) | 1/34 (3%) | 3/34 (9%) | 4/29 (14%) | 6/33 (18%) |
| FIRST INCIDENCE | 726 | 713 | 728 (T) | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.090 | P=0.341 | P=0.287 | P=0.118 |
| POLY 1.5 | P=0.096 | P=0.337 | P=0.305 | P=0.122 |
| POLY 6 | P=0.083 | P=0.341 | P=0.267 | P=0.112 |
| COCH-ARM / FISHERS | P=0.104 | P=0.329 | P=0.339 | P=0.128 |
| MAX-ISO-POLY-3 | P=0.099 | P=0.206 | P=0.175 | P=0.062 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------------------------------------|-----------|-----------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Ovary: Bursa Dilatation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 4/50 (8%) | 2/49 (4%) | 5/50 (10%) | 8/49 (16%) |
| POLY-3 RATE (b) | 4/44.25 | 2/44.27 | 5/39.28 | 8/42.01 |
| POLY-3 PERCENT (g) | 9% | 4.5% | 12.7% | 19% |
| TERMINAL (d) | 2/34 (6%) | 0/34 (0%) | 3/29 (10%) | 6/33 (18%) |
| FIRST INCIDENCE | 364 | 383 | 529 | 501 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.042* | P=0.337N | P=0.426 | P=0.151 |
| POLY 1.5 | P=0.045* | P=0.339N | P=0.451 | P=0.157 |
| POLY 6 | P=0.038* | P=0.337N | P=0.400 | P=0.143 |
| COCH-ARM / FISHERS | P=0.053 | P=0.349N | P=0.500 | P=0.168 |
| MAX-ISO-POLY-3 | P=0.056 | P=0.201N | P=0.305 | P=0.094 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------------------------------------|-----------|-----------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Ovary: Rete Ovarii Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 0/49 (0%) | 6/50 (12%) | 6/49 (12%) |
| POLY-3 RATE (b) | 1/42.80 | 0/43.13 | 6/39.56 | 6/41.57 |
| POLY-3 PERCENT (g) | 2.3% | 0% | 15.2% | 14.4% |
| TERMINAL (d) | 1/34 (3%) | 0/34 (0%) | 4/29 (14%) | 5/33 (15%) |
| FIRST INCIDENCE | 728 (T) | --- | 488 | 545 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.006** | P=0.498N | P=0.043* | P=0.050* |
| POLY 1.5 | P=0.006** | P=0.500N | P=0.048* | P=0.051 |
| POLY 6 | P=0.006** | P=0.498N | P=0.039* | P=0.048* |
| COCH-ARM / FISHERS | P=0.008** | P=0.505N | P=0.056 | P=0.053 |
| MAX-ISO-POLY-3 | P=0.009** | P=0.160N | P=0.021* | P=0.022* |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pancreas | | | | |
| Atrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 0/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---------------------------------|------------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pancreas: Acinus Atrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 4/50 (8%) | 4/50 (8%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 4/42.80 | 4/43.65 | 1/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 9.4% | 9.2% | 2.6% | 0% |
| TERMINAL (d) | 4/34 (12%) | 3/34 (9%) | 1/29 (3%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | 693 | 728 (T) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.023N* | P=0.633N | P=0.213N | P=0.063N |
| POLY 1.5 | P=0.022N* | P=0.635N | P=0.200N | P=0.062N |
| POLY 6 | P=0.025N* | P=0.635N | P=0.229N | P=0.065N |
| COCH-ARM / FISHERS | P=0.022N* | P=0.643N | P=0.181N | P=0.059N |
| MAX-ISO-POLY-3 | P=0.035N* | P=0.488N | P=0.116N | P=0.021N* |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pancreas: Duct Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 2/42.80 | 0/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 4.7% | 0% | 0% | 0% |
| TERMINAL (d) | 2/34 (6%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.118N | P=0.233N | P=0.262N | P=0.242N |
| POLY 1.5 | P=0.117N | P=0.234N | P=0.253N | P=0.240N |
| POLY 6 | P=0.119N | P=0.234N | P=0.273N | P=0.246N |
| COCH-ARM / FISHERS | P=0.115N | P=0.247N | P=0.247N | P=0.247N |
| MAX-ISO-POLY-3 | P=0.036N* | P=0.076N | P=0.100N | P=0.081N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Parathyroid Gland Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/48 (0%) | 0/39 (0%) | 0/48 (0%) | 0/49 (0%) |
| POLY-3 RATE (b) | 0/40.80 | 0/33.85 | 0/36.34 | 0/40.83 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/32 (0%) | 0/27 (0%) | 0/27 (0%) | 0/32 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|-----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pituitary Gland Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/42.80 | 1/44.00 | 1/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 2.3% | 2.6% | 0% |
| TERMINAL (d) | 1/34 (3%) | 0/34 (0%) | 1/29 (3%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | 583 | 728 (T) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pituitary Gland: Pars Distalis Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 16/50 (32%) | 13/50 (26%) | 14/50 (28%) | 19/50 (38%) |
| POLY-3 RATE (b) | 16/44.53 | 13/44.68 | 14/40.48 | 19/43.35 |
| POLY-3 PERCENT (g) | 35.9% | 29.1% | 34.6% | 43.8% |
| TERMINAL (d) | 12/34 (35%) | 9/34 (27%) | 11/29 (38%) | 14/33 (42%) |
| FIRST INCIDENCE | 364 | 583 | 321 | 607 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.169 | P=0.321N | P=0.539N | P=0.293 |
| POLY 1.5 | P=0.185 | P=0.323N | P=0.491N | P=0.307 |
| POLY 6 | P=0.156 | P=0.322N | P=0.588 | P=0.281 |
| COCH-ARM / FISHERS | P=0.219 | P=0.330N | P=0.414N | P=0.338 |
| MAX-ISO-POLY-3 | P=0.213 | P=0.245N | P=0.449N | P=0.226 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Pituitary Gland: Pars Intermedia Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 3/50 (6%) | 2/50 (4%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/42.80 | 3/43.54 | 2/38.96 | 1/42.61 |
| POLY-3 PERCENT (g) | 4.7% | 6.9% | 5.1% | 2.4% |
| TERMINAL (d) | 2/34 (6%) | 2/34 (6%) | 1/29 (3%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | 722 | 531 | 442 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.321N | P=0.508 | P=0.660 | P=0.502N |
| POLY 1.5 | P=0.318N | P=0.506 | P=0.672 | P=0.500N |
| POLY 6 | P=0.327N | P=0.506 | P=0.646 | P=0.506N |
| COCH-ARM / FISHERS | P=0.313N | P=0.500 | P=0.691N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.367N | P=0.332 | P=0.463 | P=0.282N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Skin Ulcer | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 0/43.51 | 1/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 0% | 0% | 2.6% | 0% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 1/29 (3%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | --- | 728 (T) | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Spleen | | | | |
| Hematopoietic Cell Proliferation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 26/50 (52%) | 30/50 (60%) | 26/50 (52%) | 26/50 (52%) |
| POLY-3 RATE (b) | 26/44.02 | 30/45.71 | 26/45.31 | 26/47.67 |
| POLY-3 PERCENT (g) | 59.1% | 65.6% | 57.4% | 54.5% |
| TERMINAL (d) | 22/34 (65%) | 24/34 (71%) | 13/29 (45%) | 13/33 (39%) |
| FIRST INCIDENCE | 545 | 383 | 243 | 191 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.254N | P=0.331 | P=0.522N | P=0.410N |
| POLY 1.5 | P=0.314N | P=0.314 | P=0.537N | P=0.472N |
| POLY 6 | P=0.191N | P=0.335 | P=0.507N | P=0.345N |
| COCH-ARM / FISHERS | P=0.424N | P=0.273 | P=0.579N | P=0.579N |
| MAX-ISO-POLY-3 | P=0.365N | P=0.258 | P=0.434N | P=0.335N |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|------|---------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |

Spleen: Lymphoid Follicle Atrophy

| LESION RATES | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 3/50 (6%) | 2/50 (4%) | 2/50 (4%) | 1/50 (2%) |
| POLY-3 RATE (b) | 3/43.49 | 2/44.33 | 2/40.03 | 1/42.26 |
| POLY-3 PERCENT (g) | 6.9% | 4.5% | 5% | 2.4% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 604 | 583 | 310 | 603 |

| STATISTICAL TESTS | | | | |
|--------------------|----------|----------|----------|----------|
| POLY 3 | P=0.247N | P=0.491N | P=0.538N | P=0.315N |
| POLY 1.5 | P=0.242N | P=0.493N | P=0.522N | P=0.311N |
| POLY 6 | P=0.256N | P=0.493N | P=0.559N | P=0.324N |
| COCH-ARM / FISHERS | P=0.232N | P=0.500N | P=0.500N | P=0.309N |
| MAX-ISO-POLY-3 | P=0.265N | P=0.317N | P=0.363N | P=0.164N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Forestomach Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 1/50 (2%) | 2/50 (4%) | 2/50 (4%) |
| POLY-3 RATE (b) | 2/43.60 | 1/43.51 | 2/39.69 | 2/42.44 |
| POLY-3 PERCENT (g) | 4.6% | 2.3% | 5% | 4.7% |
| TERMINAL (d) | 0/34 (0%) | 1/34 (3%) | 0/29 (0%) | 1/33 (3%) |
| FIRST INCIDENCE | 546 | 728 (T) | 310 | 531 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.512 | P=0.501N | P=0.660 | P=0.684 |
| POLY 1.5 | P=0.517 | P=0.499N | P=0.673 | P=0.689 |
| POLY 6 | P=0.504 | P=0.507N | P=0.643 | P=0.676 |
| COCH-ARM / FISHERS | P=0.526 | P=0.500N | P=0.691N | P=0.691N |
| MAX-ISO-POLY-3 | P=0.584 | P=0.281N | P=0.463 | P=0.488 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Forestomach Ulcer | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/42.80 | 0/43.51 | 1/38.95 | 0/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 0% | 2.6% | 0% |
| TERMINAL (d) | 1/34 (3%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | --- | 533 | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Glandular Inflammation Chronic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/42.80 | 2/43.51 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 4.6% | 0% | 0% |
| TERMINAL (d) | 1/34 (3%) | 2/34 (6%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 728 (T) | 728 (T) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.196N | P=0.506 | P=0.522N | P=0.505N |
| POLY 1.5 | P=0.193N | P=0.505 | P=0.514N | P=0.503N |
| POLY 6 | P=0.201N | P=0.504 | P=0.531N | P=0.508N |
| COCH-ARM / FISHERS | P=0.188N | P=0.500 | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.184N | P=0.287 | P=0.185N | P=0.164N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|------------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Glandular Mineralization | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 6/50 (12%) | 1/50 (2%) | 1/50 (2%) | 2/50 (4%) |
| POLY-3 RATE (b) | 6/43.29 | 1/43.51 | 1/38.68 | 2/41.83 |
| POLY-3 PERCENT (g) | 13.9% | 2.3% | 2.6% | 4.8% |
| TERMINAL (d) | 4/34 (12%) | 1/34 (3%) | 0/29 (0%) | 2/33 (6%) |
| FIRST INCIDENCE | 604 | 728 (T) | 636 | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.120N | P=0.054N | P=0.075N | P=0.143N |
| POLY 1.5 | P=0.117N | P=0.054N | P=0.068N | P=0.139N |
| POLY 6 | P=0.124N | P=0.056N | P=0.085N | P=0.151N |
| COCH-ARM / FISHERS | P=0.114N | P=0.056N | P=0.056N | P=0.134N |
| MAX-ISO-POLY-3 | P=0.029N* | P=0.023N* | P=0.040N* | P=0.078N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|-------------------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Stomach, Glandular Ulcer | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 2/50 (4%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/42.80 | 1/43.51 | 2/39.08 | 0/41.83 |
| POLY-3 PERCENT (g) | 0% | 2.3% | 5.1% | 0% |
| TERMINAL (d) | 0/34 (0%) | 1/34 (3%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | --- | 728 (T) | 607 | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.626N | P=0.503 | P=0.217 | (e) |
| POLY 1.5 | P=0.622N | P=0.503 | P=0.224 | (e) |
| POLY 6 | P=0.633N | P=0.502 | P=0.211 | (e) |
| COCH-ARM / FISHERS | P=0.616N | P=0.500 | P=0.247 | (e) |
| MAX-ISO-POLY-3 | P=0.318 | P=0.163 | P=0.075 | (e) |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Thymus Atrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 43/50 (86%) | 43/50 (86%) | 40/49 (82%) | 45/50 (90%) |
| POLY-3 RATE (b) | 43/47.97 | 43/48.72 | 40/48.21 | 45/49.23 |
| POLY-3 PERCENT (g) | 89.7% | 88.3% | 83% | 91.4% |
| TERMINAL (d) | 31/34 (91%) | 30/34 (88%) | 22/29 (76%) | 29/33 (88%) |
| FIRST INCIDENCE | 364 | 355 | 243 | 191 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.456 | P=0.545N | P=0.251N | P=0.521 |
| POLY 1.5 | P=0.412 | P=0.572N | P=0.291N | P=0.465 |
| POLY 6 | P=0.504 | P=0.521N | P=0.220N | P=0.579 |
| COCH-ARM / FISHERS | P=0.342 | P=0.613N | P=0.376N | P=0.380 |
| MAX-ISO-POLY-3 | P=0.400 | P=0.410N | P=0.167N | P=0.380 |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Thymus Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 0/49 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/42.80 | 2/43.51 | 0/37.66 | 0/41.83 |
| POLY-3 PERCENT (g) | 2.3% | 4.6% | 0% | 0% |
| TERMINAL (d) | 0/34 (0%) | 2/34 (6%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 726 | 728 (T) | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.197N | P=0.506 | P=0.525N | P=0.505N |
| POLY 1.5 | P=0.194N | P=0.505 | P=0.518N | P=0.503N |
| POLY 6 | P=0.202N | P=0.504 | P=0.534N | P=0.508N |
| COCH-ARM / FISHERS | P=0.189N | P=0.500 | P=0.505N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.185N | P=0.287 | P=0.188N | P=0.164N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Thyroid Gland: C-Cell Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 32/50 (64%) | 37/48 (77%) | 39/50 (78%) | 36/50 (72%) |
| POLY-3 RATE (b) | 32/45.33 | 37/45.89 | 39/44.95 | 36/44.51 |
| POLY-3 PERCENT (g) | 70.6% | 80.6% | 86.8% | 80.9% |
| TERMINAL (d) | 26/34 (77%) | 26/34 (77%) | 26/29 (90%) | 29/33 (88%) |
| FIRST INCIDENCE | 364 | 492 | 310 | 531 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.147 | P=0.184 | P=0.040* | P=0.172 |
| POLY 1.5 | P=0.192 | P=0.146 | P=0.051 | P=0.197 |
| POLY 6 | P=0.107 | P=0.247 | P=0.037* | P=0.149 |
| COCH-ARM / FISHERS | P=0.299 | P=0.115 | P=0.093 | P=0.260 |
| MAX-ISO-POLY-3 | P=0.080 | P=0.128 | P=0.022* | P=0.115 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
Time Report Requested: 15:06:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--|-----------|-----------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Thyroid Gland: Follicle Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 4/48 (8%) | 3/50 (6%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/43.04 | 4/42.59 | 3/38.34 | 1/41.83 |
| POLY-3 PERCENT (g) | 4.7% | 9.4% | 7.8% | 2.4% |
| TERMINAL (d) | 1/34 (3%) | 3/34 (9%) | 3/29 (10%) | 1/33 (3%) |
| FIRST INCIDENCE | 662 | 713 | 728 (T) | 728 (T) |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.308N | P=0.332 | P=0.447 | P=0.510N |
| POLY 1.5 | P=0.299N | P=0.328 | P=0.467 | P=0.506N |
| POLY 6 | P=0.322N | P=0.332 | P=0.424 | P=0.518N |
| COCH-ARM / FISHERS | P=0.287N | P=0.319 | P=0.500 | P=0.500N |
| MAX-ISO-POLY-3 | P=0.283N | P=0.197 | P=0.288 | P=0.291N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|-----------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Trachea Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 2/50 (4%) | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 2/43.67 | 0/42.91 | 0/38.34 | 0/41.83 |
| POLY-3 PERCENT (g) | 4.6% | 0% | 0% | 0% |
| TERMINAL (d) | 1/34 (3%) | 0/34 (0%) | 0/29 (0%) | 0/33 (0%) |
| FIRST INCIDENCE | 364 | --- | --- | --- |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.117N | P=0.241N | P=0.267N | P=0.247N |
| POLY 1.5 | P=0.116N | P=0.241N | P=0.256N | P=0.243N |
| POLY 6 | P=0.118N | P=0.242N | P=0.279N | P=0.252N |
| COCH-ARM / FISHERS | P=0.115N | P=0.253N | P=0.247N | P=0.247N |
| MAX-ISO-POLY-3 | P=0.041N* | P=0.078N | P=0.104N | P=0.085N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Uterus | | | | |
| Adenomyosis | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/42.80 | 0/43.51 | 0/38.34 | 2/42.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 4.8% |
| TERMINAL (d) | 0/34 (0%) | 0/34 (0%) | 0/29 (0%) | 1/33 (3%) |
| FIRST INCIDENCE | --- | --- | --- | 684 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.043* | (e) | (e) | P=0.233 |
| POLY 1.5 | P=0.044* | (e) | (e) | P=0.235 |
| POLY 6 | P=0.043* | (e) | (e) | P=0.229 |
| COCH-ARM / FISHERS | P=0.046* | (e) | (e) | P=0.247 |
| MAX-ISO-POLY-3 | P=0.032* | (e) | (e) | P=0.076 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------|-----------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Uterus Dilatation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 1/50 (2%) | 4/50 (8%) | 3/50 (6%) | 2/50 (4%) |
| POLY-3 RATE (b) | 1/42.80 | 4/44.06 | 3/40.14 | 2/42.51 |
| POLY-3 PERCENT (g) | 2.3% | 9.1% | 7.5% | 4.7% |
| TERMINAL (d) | 1/34 (3%) | 2/34 (6%) | 0/29 (0%) | 1/33 (3%) |
| FIRST INCIDENCE | 728 (T) | 583 | 450 | 501 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.535 | P=0.187 | P=0.282 | P=0.498 |
| POLY 1.5 | P=0.539 | P=0.185 | P=0.290 | P=0.499 |
| POLY 6 | P=0.526 | P=0.188 | P=0.274 | P=0.494 |
| COCH-ARM / FISHERS | P=0.544 | P=0.181 | P=0.309 | P=0.500 |
| MAX-ISO-POLY-3 | P=0.283 | P=0.092 | P=0.145 | P=0.279 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 01/23/2013
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|--------------------------------|------------|-----------|-----------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Uterus Inflammation | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 7/50 (14%) | 3/50 (6%) | 2/50 (4%) | 3/50 (6%) |
| POLY-3 RATE (b) | 7/42.87 | 3/44.08 | 2/38.34 | 3/42.76 |
| POLY-3 PERCENT (g) | 16.3% | 6.8% | 5.2% | 7% |
| TERMINAL (d) | 5/34 (15%) | 2/34 (6%) | 2/29 (7%) | 1/33 (3%) |
| FIRST INCIDENCE | 713 | 548 | 728 (T) | 442 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.136N | P=0.145N | P=0.107N | P=0.157N |
| POLY 1.5 | P=0.133N | P=0.149N | P=0.096N | P=0.157N |
| POLY 6 | P=0.141N | P=0.144N | P=0.121N | P=0.160N |
| COCH-ARM / FISHERS | P=0.128N | P=0.159N | P=0.080N | P=0.159N |
| MAX-ISO-POLY-3 | P=0.074N | P=0.084N | P=0.064N | P=0.090N |

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013
 Time Report Requested: 15:06:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---|-----------|-----------|------------|------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Uterus: Cervix Hyperplasia Stromal | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 4/50 (8%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/42.80 | 1/43.51 | 4/38.96 | 2/41.99 |
| POLY-3 PERCENT (g) | 0% | 2.3% | 10.3% | 4.8% |
| TERMINAL (d) | 0/34 (0%) | 1/34 (3%) | 3/29 (10%) | 1/33 (3%) |
| FIRST INCIDENCE | --- | 728 (T) | 529 | 688 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.154 | P=0.503 | P=0.049* | P=0.233 |
| POLY 1.5 | P=0.158 | P=0.503 | P=0.053 | P=0.235 |
| POLY 6 | P=0.149 | P=0.502 | P=0.045* | P=0.229 |
| COCH-ARM / FISHERS | P=0.165 | P=0.500 | P=0.059 | P=0.247 |
| MAX-ISO-POLY-3 | P=0.068 | P=0.163 | P=0.019* | P=0.076 |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

| DOSE | Females | | | |
|---|------------|-------------|-------------|-------------|
| | 0 mg/kg | 250 mg/kg | 500 mg/kg | 1000 mg/kg |
| Uterus: Endometrium Hyperplasia Cystic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 8/50 (16%) | 13/50 (26%) | 11/50 (22%) | 18/50 (36%) |
| POLY-3 RATE (b) | 8/43.23 | 13/44.65 | 11/40.96 | 18/44.53 |
| POLY-3 PERCENT (g) | 18.5% | 29.1% | 26.9% | 40.4% |
| TERMINAL (d) | 6/34 (18%) | 9/34 (27%) | 6/29 (21%) | 11/33 (33%) |
| FIRST INCIDENCE | 604 | 548 | 321 | 442 |
| STATISTICAL TESTS | | | | |
| POLY 3 | P=0.019* | P=0.179 | P=0.256 | P=0.019* |
| POLY 1.5 | P=0.019* | P=0.174 | P=0.273 | P=0.018* |
| POLY 6 | P=0.019* | P=0.180 | P=0.239 | P=0.021* |
| COCH-ARM / FISHERS | P=0.021* | P=0.163 | P=0.306 | P=0.020* |
| MAX-ISO-POLY-3 | P=0.017* | P=0.125 | P=0.186 | P=0.011* |

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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Lab: BAT

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
- (b) Number of tumor-bearing animals/Poly-3 number
- (d) Observed incidence at terminal kill.
- (e) Value of statistic cannot be computed.
- (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
- (g) Poly-3 adjusted lifetime tumor incidence.
- (n) No statistics are calculated if all dose groups have fewer than two tumors.
- (I) Interim sacrifice
- (T) Terminal sacrifice
- # Tumor rates based on numbers of animals necropsied.
- * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
- ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
- N Indicates a negative trend for all tests
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***