

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

C Number:

C88148B

Lock Date:

10/02/2001

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Both

PWG Approval Date

NONE

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Lab: BAT

SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF 3,3',4,4'-TETRACHLOROAZOBENZENE

MALE RAT

Organ

Liver

Liver: Bile Duct

Liver: Hepatocyte

Lung

Lung: Alveolar Epith

Lung: Alveolus

Lung: Interstitium

Pituitary Gland

Spleen

Thymus

FEMALE RAT

Organ

Liver

Liver: Bile Duct

Liver: Hepatocyte

Lung

Lung: Alveolar Epith

Lung: Interstitium

Lung: Perivascular

Spleen

Thymus

Uterus

Morphology

Clear Cell Focus

Fatty Change

Hematopoietic Cell Proliferation

Hyperplasia

Hypertrophy

Infiltration Cellular Histiocyte

Metaplasia Bronchiolar

Infiltration Cellular Histiocyte

Infiltration Cellular Mononuclear Cl

Cyst

Hematopoietic Cell Proliferation

Atrophy

Morphology

Hematopoietic Cell Proliferation

Hyperplasia

Hypertrophy

Infiltration Cellular Histiocyte

Infiltration Cellular Mononuclear Cl

Metaplasia Bronchiolar

Infiltration Cellular Mononuclear Cl

Infiltration Cellular Polymorphnuclr

Hematopoietic Cell Proliferation

Pigmentation Hemosiderin

Atrophy

Atrophy

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First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Adrenal Cortex | | | | | | |
| Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

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First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | MALE | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Adrenal Cortex | | |
| Hyperplasia | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|-----------------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Adrenal Cortex Hypertrophy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.425N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Adrenal Cortex | | |
| Hypertrophy | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/0.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% |
| TERMINAL (d) | 0/0 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500N |
| POLY 1.5 | (e) | P=0.500N |
| POLY 6 | (e) | P=0.500N |
| COCH-ARM / FISHERS | (e) | P=0.500N |
| MAX-ISO-POLY-3 | (e) | P=0.274N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------|----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Eye | | | | | | |
| Hemorrhage | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

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Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:26
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Eye | | |
| Hemorrhage | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

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First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|-----------------------------|----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Eye | | | | | | |
| Inflammation Chronic | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

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First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|----------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Eye | | |
| Inflammation Chronic | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|----------------------------|-----------|------------|------------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Clear Cell Focus | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 1/10 (10%) | 3/10 (30%) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 3/10.00 | 1/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 30% | 10% | 10% | 0% |
| TERMINAL (d) | 0/10 (0%) | 1/10 (10%) | 3/10 (30%) | 1/10 (10%) | 1/10 (10%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | 93(T) | 93(T) | 93(T) | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.181N | P=0.500 | P=0.095 | P=0.500 | P=0.500 | (e) |
| POLY 1.5 | P=0.181N | P=0.500 | P=0.095 | P=0.500 | P=0.500 | (e) |
| POLY 6 | P=0.181N | P=0.500 | P=0.095 | P=0.500 | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.186N | P=0.500 | P=0.105 | P=0.500 | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.244N | P=0.159 | P=0.025* | P=0.159 | P=0.159 | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

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First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | MALE | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Liver | | |
| Clear Cell Focus | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

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Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Fatty Change | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 6/10 (60%) | 8/10 (80%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 6/10.00 | 8/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 60% | 80% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 6/10 (60%) | 8/10 (80%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | (e) | (e) | (e) | P<0.001** | P=0.000** |
| POLY 1.5 | P=0.000** | (e) | (e) | (e) | P<0.001** | P=0.000** |
| POLY 6 | P=0.000** | (e) | (e) | (e) | P<0.001** | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | (e) | (e) | (e) | P=0.005** | P=0.000** |
| MAX-ISO-POLY-3 | P=0.000** | (e) | (e) | (e) | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| | MALE | |
|--------------------------|--------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Liver | | |
| Fatty Change | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 10/10 (100%) | 9/10 (90%) |
| POLY-3 RATE (b) | 10/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 100% | 90% |
| TERMINAL (d) | 10/10 (100%) | 9/10 (90%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=NA | P=0.000** |
| POLY 1.5 | P=NA | P=0.000** |
| POLY 6 | P=NA | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.000** |
| MAX-ISO-POLY-3 | (e) | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|---|------------|------------|------------|------------|------------|--------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 2/10 (20%) | 2/10 (20%) | 2/10 (20%) | 9/10 (90%) | 10/10 (100%) |
| POLY-3 RATE (b) | 2/10.00 | 2/10.00 | 2/10.00 | 2/10.00 | 9/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 20% | 20% | 20% | 20% | 90% | 100% |
| TERMINAL (d) | 2/10 (20%) | 2/10 (20%) | 2/10 (20%) | 2/10 (20%) | 9/10 (90%) | 10/10 (100%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | P=0.702 | P=0.702 | P=0.702 | P=0.000** | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.702 | P=0.702 | P=0.702 | P=0.000** | P=0.000** |
| POLY 6 | P=0.000** | P=0.702 | P=0.702 | P=0.702 | P=0.000** | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.709N | P=0.709N | P=0.709N | P=0.003** | P=0.000** |
| MAX-ISO-POLY-3 | P=0.000** | P=1.000 | P=1.000 | P=1.000 | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| | MALE | |
|----------------------------------|-------------------|---------------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Liver | | |
| Hematopoietic Cell Proliferation | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 10/10 (100%) | 10/10 (100%) |
| POLY-3 RATE (b) | 10/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 100% | 100% |
| TERMINAL (d) | 10/10 (100%) | 10/10 (100%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.000** | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.000** |
| POLY 6 | P=0.000** | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.000** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|------------|------------|------------|--------------|--------------|--------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Infiltration Cellular Mixed Cell | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 8/10 (80%) | 8/10 (80%) | 9/10 (90%) | 10/10 (100%) | 10/10 (100%) | 10/10 (100%) |
| POLY-3 RATE (b) | 8/10.00 | 8/10.00 | 9/10.00 | 10/10.00 | 10/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 80% | 80% | 90% | 100% | 100% | 100% |
| TERMINAL (d) | 8/10 (80%) | 8/10 (80%) | 9/10 (90%) | 10/10 (100%) | 10/10 (100%) | 10/10 (100%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.639 | P=0.702 | P=0.500 | P=0.227 | P=0.227 | P=0.227 |
| POLY 1.5 | P=0.639 | P=0.702 | P=0.500 | P=0.227 | P=0.227 | P=0.227 |
| POLY 6 | P=0.639 | P=0.702 | P=0.500 | P=0.227 | P=0.227 | P=0.227 |
| COCH-ARM / FISHERS | P=0.639 | P=0.709N | P=0.500 | P=0.237 | P=0.237 | P=0.237 |
| MAX-ISO-POLY-3 | P=0.123 | P=1.000 | P=0.274 | P=0.067 | P=0.067 | P=0.067 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|----------------------------------|--------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Liver | | |
| Infiltration Cellular Mixed Cell | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 10/10 (100%) | 9/10 (90%) |
| POLY-3 RATE (b) | 10/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 100% | 90% |
| TERMINAL (d) | 10/10 (100%) | 9/10 (90%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.227 | P=0.500 |
| POLY 1.5 | P=0.227 | P=0.500 |
| POLY 6 | P=0.227 | P=0.500 |
| COCH-ARM / FISHERS | P=0.237 | P=0.500 |
| MAX-ISO-POLY-3 | P=0.067 | P=0.274 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTEs | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTEs | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:26

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Mixed Cell Focus | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Liver | | |
| Mixed Cell Focus | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------|------------|------------|------------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Necrosis | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 2/10 (20%) | 2/10 (20%) | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) |
| POLY-3 RATE (b) | 1/10.00 | 2/10.00 | 2/10.00 | 1/10.00 | 1/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 10% | 20% | 20% | 10% | 10% | 20% |
| TERMINAL (d) | 1/10 (10%) | 2/10 (20%) | 2/10 (20%) | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.136N | P=0.500 | P=0.500 | P=0.760 | P=0.760 | P=0.500 |
| POLY 1.5 | P=0.136N | P=0.500 | P=0.500 | P=0.760 | P=0.760 | P=0.500 |
| POLY 6 | P=0.136N | P=0.500 | P=0.500 | P=0.760 | P=0.760 | P=0.500 |
| COCH-ARM / FISHERS | P=0.131N | P=0.500 | P=0.500 | P=0.763N | P=0.763N | P=0.500 |
| MAX-ISO-POLY-3 | P=0.244N | P=0.274 | P=0.274 | P=1.000 | P=1.000 | P=0.274 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Liver | | |
| Necrosis | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.500N | P=0.500N |
| POLY 6 | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.159N | P=0.159N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--|-----------|-----------|------------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Vacuolization Cytoplasmic Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | 93(T) | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.703N | (e) | P=0.500 | (e) | (e) | (e) |
| POLY 1.5 | P=0.703N | (e) | P=0.500 | (e) | (e) | (e) |
| POLY 6 | P=0.703N | (e) | P=0.500 | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.704N | (e) | P=0.500 | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.498N | (e) | P=0.159 | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|--|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Liver | | |
| Vacuolization Cytoplasmic Focal | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|------------|------------|------------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver: Bile Duct Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 5/10 (50%) | 6/10 (60%) | 6/10 (60%) | 9/10 (90%) | 9/10 (90%) | 8/10 (80%) |
| POLY-3 RATE (b) | 5/10.00 | 6/10.00 | 6/10.00 | 9/10.00 | 9/10.00 | 8/10.00 |
| POLY-3 PERCENT (g) | 50% | 60% | 60% | 90% | 90% | 80% |
| TERMINAL (d) | 5/10 (50%) | 6/10 (60%) | 6/10 (60%) | 9/10 (90%) | 9/10 (90%) | 8/10 (80%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.167N | P=0.500 | P=0.500 | P=0.061 | P=0.061 | P=0.174 |
| POLY 1.5 | P=0.167N | P=0.500 | P=0.500 | P=0.061 | P=0.061 | P=0.174 |
| POLY 6 | P=0.167N | P=0.500 | P=0.500 | P=0.061 | P=0.061 | P=0.174 |
| COCH-ARM / FISHERS | P=0.168N | P=0.500 | P=0.500 | P=0.070 | P=0.070 | P=0.175 |
| MAX-ISO-POLY-3 | P=0.204 | P=0.334 | P=0.334 | P=0.020* | P=0.020* | P=0.080 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | MALE | |
|---------------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Liver: Bile Duct Hyperplasia | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 7/10 (70%) | 5/10 (50%) |
| POLY-3 RATE (b) | 7/10.00 | 5/10.00 |
| POLY-3 PERCENT (g) | 70% | 50% |
| TERMINAL (d) | 7/10 (70%) | 5/10 (50%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.329 | P=0.664 |
| POLY 1.5 | P=0.329 | P=0.664 |
| POLY 6 | P=0.329 | P=0.664 |
| COCH-ARM / FISHERS | P=0.325 | P=0.672N |
| MAX-ISO-POLY-3 | P=0.189 | P=1.000 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------------------|-----------|-----------|------------|------------|------------|--------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver: Hepatocyte Hypertrophy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) | 5/10 (50%) | 7/10 (70%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 2/10.00 | 5/10.00 | 7/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 20% | 50% | 70% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) | 5/10 (50%) | 7/10 (70%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | (e) | P=0.227 | P=0.008** | P=0.000** | P=NA |
| POLY 1.5 | P=0.000** | (e) | P=0.227 | P=0.008** | P=0.000** | P=NA |
| POLY 6 | P=0.000** | (e) | P=0.227 | P=0.008** | P=0.000** | P=NA |
| COCH-ARM / FISHERS | P=0.000** | (e) | P=0.237 | P=0.016* | P=0.002** | P=0.000** |
| MAX-ISO-POLY-3 | P=0.000** | (e) | P=0.067 | P<0.001** | P=0.000** | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|-------------------------------|--------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Liver: Hepatocyte Hypertrophy | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 10/10 (100%) | 9/10 (90%) |
| POLY-3 RATE (b) | 10/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 100% | 90% |
| TERMINAL (d) | 10/10 (100%) | 9/10 (90%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=NA | P=0.000** |
| POLY 1.5 | P=NA | P=0.000** |
| POLY 6 | P=NA | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.000** |
| MAX-ISO-POLY-3 | (e) | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Fibrosis Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/9.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| | MALE | |
|----------------------------|-------------------|---------------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Lung | | |
| Fibrosis Focal | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|-----------|-----------|-----------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 3/9 (33%) | 2/10 (20%) | 1/10 (10%) | 3/10 (30%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 3/9.00 | 2/10.00 | 1/10.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 33.3% | 20% | 10% | 30% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 3/9 (33%) | 2/10 (20%) | 1/10 (10%) | 3/10 (30%) |
| FIRST INCIDENCE | --- | --- | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.144N | (e) | P=0.074 | P=0.227 | P=0.500 | P=0.095 |
| POLY 1.5 | P=0.144N | (e) | P=0.074 | P=0.227 | P=0.500 | P=0.095 |
| POLY 6 | P=0.144N | (e) | P=0.074 | P=0.227 | P=0.500 | P=0.095 |
| COCH-ARM / FISHERS | P=0.154N | (e) | P=0.087 | P=0.237 | P=0.500 | P=0.105 |
| MAX-ISO-POLY-3 | P=0.260N | (e) | P=0.020* | P=0.067 | P=0.159 | P=0.025* |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|---|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Lung | | |
| Infiltration Cellular Histiocyte | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Infiltration Cellular Mononuclear CI | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/9.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|---|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Lung | | |
| Infiltration Cellular Mononuclear CI | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|---|-----------|-----------|-----------|------------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Inflammation Granulomatous Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/9.00 | 1/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 93(T) | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.707N | (e) | (e) | P=0.500 | (e) | (e) |
| POLY 1.5 | P=0.707N | (e) | (e) | P=0.500 | (e) | (e) |
| POLY 6 | P=0.707N | (e) | (e) | P=0.500 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.708N | (e) | (e) | P=0.500 | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.595N | (e) | (e) | P=0.159 | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|---|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Lung | | |
| Inflammation Granulomatous Focal | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Mineralization | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/9.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.605 | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | P=0.605 | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | P=0.605 | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.600 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.132 | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Lung | | |
| Mineralization | | |
| LESION RATES | | |
| OVERALL(a) | 2/10 (20%) | 0/10 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/10 (0%) |
| FIRST INCIDENCE | 93(T) | --- |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.227 | (e) |
| POLY 1.5 | P=0.227 | (e) |
| POLY 6 | P=0.227 | (e) |
| COCH-ARM / FISHERS | P=0.237 | (e) |
| MAX-ISO-POLY-3 | P=0.067 | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--|------------|-----------|-----------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Alveolar Epith Metaplasia Bronchiolar | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 0/10 (0%) | 3/9 (33%) | 3/10 (30%) | 3/10 (30%) | 8/10 (80%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 | 3/9.00 | 3/10.00 | 3/10.00 | 8/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 33.3% | 30% | 30% | 80% |
| TERMINAL (d) | 2/10 (20%) | 0/10 (0%) | 3/9 (33%) | 3/10 (30%) | 3/10 (30%) | 8/10 (80%) |
| FIRST INCIDENCE | 93(T) | --- | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | P=0.227N | P=0.448 | P=0.500 | P=0.500 | P=0.004** |
| POLY 1.5 | P=0.000** | P=0.227N | P=0.448 | P=0.500 | P=0.500 | P=0.004** |
| POLY 6 | P=0.000** | P=0.227N | P=0.448 | P=0.500 | P=0.500 | P=0.004** |
| COCH-ARM / FISHERS | P=0.000** | P=0.237N | P=0.444 | P=0.500 | P=0.500 | P=0.012* |
| MAX-ISO-POLY-3 | P=0.000** | P=0.067N | P=0.269 | P=0.311 | P=0.311 | P<0.001** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| | MALE | |
|--|-------------------|---------------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Lung: Alveolar Epith Metaplasia Bronchiolar | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 8/10 (80%) | 10/10 (100%) |
| POLY-3 RATE (b) | 8/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 80% | 100% |
| TERMINAL (d) | 8/10 (80%) | 10/10 (100%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.004** | P=0.000** |
| POLY 1.5 | P=0.004** | P=0.000** |
| POLY 6 | P=0.004** | P=0.000** |
| COCH-ARM / FISHERS | P=0.012* | P=0.000** |
| MAX-ISO-POLY-3 | P<0.001** | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Alveolus | | | | | | |
| Hyperplasia Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/9.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 10% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.794N | (e) | (e) | (e) | (e) | P=0.500 |
| POLY 1.5 | P=0.794N | (e) | (e) | (e) | (e) | P=0.500 |
| POLY 6 | P=0.794N | (e) | (e) | (e) | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.796N | (e) | (e) | (e) | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.501 | (e) | (e) | (e) | (e) | P=0.159 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Lung: Alveolus | | |
| Hyperplasia Focal | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Alveolus | | | | | | |
| Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 | 0/9.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.696N | P=0.500N | P=0.521N | P=0.500N | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.696N | P=0.500N | P=0.521N | P=0.500N | P=0.500N | P=0.500N |
| POLY 6 | P=0.696N | P=0.500N | P=0.521N | P=0.500N | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.697N | P=0.500N | P=0.526N | P=0.500N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.045N* | P=0.159N | P=0.179N | P=0.159N | P=0.159N | P=0.159N |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|---|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Lung: Alveolus | | |
| Infiltration Cellular Histiocyte | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.500N | P=0.500N |
| POLY 6 | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.159N | P=0.159N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|------------|------------|-----------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Interstitium | | | | | | |
| Infiltration Cellular Mononuclear CI | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 3/10 (30%) | 3/9 (33%) | 5/10 (50%) | 5/10 (50%) | 9/10 (90%) |
| POLY-3 RATE (b) | 1/10.00 | 3/10.00 | 3/9.00 | 5/10.00 | 5/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 10% | 30% | 33.3% | 50% | 50% | 90% |
| TERMINAL (d) | 1/10 (10%) | 3/10 (30%) | 3/9 (33%) | 5/10 (50%) | 5/10 (50%) | 9/10 (90%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | P=0.292 | P=0.250 | P=0.061 | P=0.061 | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.292 | P=0.250 | P=0.061 | P=0.061 | P=0.000** |
| POLY 6 | P=0.000** | P=0.292 | P=0.250 | P=0.061 | P=0.061 | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.291 | P=0.249 | P=0.070 | P=0.070 | P<0.001** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.138 | P=0.116 | P=0.020* | P=0.020* | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|---|--------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Lung: Interstitium | | |
| Infiltration Cellular Mononuclear CI | | |
| LESION RATES | | |
| OVERALL(a) | 10/10 (100%) | 10/10 (100%) |
| POLY-3 RATE (b) | 10/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 100% | 100% |
| TERMINAL (d) | 10/10 (100%) | 10/10 (100%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.000** | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.000** |
| POLY 6 | P=0.000** | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.000** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Perivascular | | | | | | |
| Infiltration Cellular Polymorphnuclr | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/9.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|--|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Lung: Perivascular Infiltration Cellular Polymorphnuclr | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|---------------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Nose: Nerve Degeneration | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 3/10 (30%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 3/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 30% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 3/10 (30%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.234N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Nose: Nerve | | |
| Degeneration | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/0.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% |
| TERMINAL (d) | 0/0 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.292N |
| POLY 1.5 | (e) | P=0.292N |
| POLY 6 | (e) | P=0.292N |
| COCH-ARM / FISHERS | (e) | P=0.291N |
| MAX-ISO-POLY-3 | (e) | P=0.138N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Nose: Respirat Epith Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.379N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|---|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Nose: Respirat Epith Hyperplasia | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500N |
| POLY 1.5 | (e) | P=0.500N |
| POLY 6 | (e) | P=0.500N |
| COCH-ARM / FISHERS | (e) | P=0.500N |
| MAX-ISO-POLY-3 | (e) | P=0.159N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Nose: Respirat Epith Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.699 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|--|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Nose: Respirat Epith Inflammation | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/0.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% |
| TERMINAL (d) | 0/0 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.760 |
| POLY 1.5 | (e) | P=0.760 |
| POLY 6 | (e) | P=0.760 |
| COCH-ARM / FISHERS | (e) | P=0.763N |
| MAX-ISO-POLY-3 | (e) | P=1.000 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Nose: Squam Epithel Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 4/10 (40%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 4/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 40% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 4/10 (40%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.444N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|---|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Nose: Squam Epithel Inflammation | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 3/10 (30%) |
| POLY-3 RATE (b) | 0/0.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 0% | 30% |
| TERMINAL (d) | 0/0 (0%) | 3/10 (30%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500N |
| POLY 1.5 | (e) | P=0.500N |
| POLY 6 | (e) | P=0.500N |
| COCH-ARM / FISHERS | (e) | P=0.500N |
| MAX-ISO-POLY-3 | (e) | P=0.327N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Oral Mucosa: Gingival Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|---|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Oral Mucosa: Gingival Inflammation | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Pancreas | | | | | | |
| Basophilic Focus | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | |
|--------------------------|------------|--------------|
| | 30.0 MG/KG | 100.00 MG/KG |
| Pancreas | | |
| Basophilic Focus | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Pancreas: Acinus | | | | | | |
| Atrophy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Pancreas: Acinus | | |
| Atrophy | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Pancreas: Acinus Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | |
|--------------------------|------------|--------------|
| | 30.0 MG/KG | 100.00 MG/KG |
| Pancreas: Acinus | | |
| Inflammation | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Pituitary Gland | | | | | | |
| Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 3/10 (30%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 3/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 30% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 3/10 (30%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.075N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| MALE | | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Pituitary Gland | | |
| Cyst | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.095N |
| POLY 1.5 | (e) | P=0.095N |
| POLY 6 | (e) | P=0.095N |
| COCH-ARM / FISHERS | (e) | P=0.105N |
| MAX-ISO-POLY-3 | (e) | P=0.025N* |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Skin: Subcut Tiss | | | | | | |
| Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | MALE | |
|---------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Skin: Subcut Tiss | | |
| Inflammation | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Spleen | | | | | | |
| Fibrosis | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | MALE | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Spleen | | |
| Fibrosis | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|---|------------|-----------|------------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Spleen | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 0/10 (0%) | 2/10 (20%) | 3/10 (30%) | 4/10 (40%) | 9/10 (90%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 | 2/10.00 | 3/10.00 | 4/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 20% | 30% | 40% | 90% |
| TERMINAL (d) | 2/10 (20%) | 0/10 (0%) | 2/10 (20%) | 3/10 (30%) | 4/10 (40%) | 9/10 (90%) |
| FIRST INCIDENCE | 93(T) | --- | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | P=0.227N | P=0.702 | P=0.500 | P=0.318 | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.227N | P=0.702 | P=0.500 | P=0.318 | P=0.000** |
| POLY 6 | P=0.000** | P=0.227N | P=0.702 | P=0.500 | P=0.318 | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.237N | P=0.709N | P=0.500 | P=0.314 | P=0.003** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.067N | P=1.000 | P=0.311 | P=0.172 | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | MALE | |
|----------------------------------|--------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Spleen | | |
| Hematopoietic Cell Proliferation | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 10/10 (100%) | 8/9 (89%) |
| POLY-3 RATE (b) | 10/10.00 | 8/9.00 |
| POLY-3 PERCENT (g) | 100% | 88.9% |
| TERMINAL (d) | 10/10 (100%) | 8/9 (89%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.000** | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.000** |
| POLY 6 | P=0.000** | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.004** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|-----------|-----------|-----------|------------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Spleen | | | | | | |
| Infiltration Cellular Polymorphnuclr | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 93(T) | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.728N | (e) | (e) | P=0.500 | (e) | (e) |
| POLY 1.5 | P=0.728N | (e) | (e) | P=0.500 | (e) | (e) |
| POLY 6 | P=0.728N | (e) | (e) | P=0.500 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.729N | (e) | (e) | P=0.500 | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.619N | (e) | (e) | P=0.159 | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|---|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Spleen | | |
| Infiltration Cellular Polymorphnuclr | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Spleen | | | | | | |
| Pigmentation Hemosiderin | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | MALE | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Spleen | | |
| Pigmentation Hemosiderin | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Stomach, Forestomach | | | | | | |
| Diverticulum | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|-----------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Stomach, Forestomach | | |
| Diverticulum | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Stomach, Forestomach | | | | | | |
| Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.379 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | | | MALE |
|-----------------------------|------------|--------------|------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG | |
| Stomach, Forestomach | | | |
| Hyperplasia | | | |
| LESION RATES | | | |
| OVERALL(a) | 0/0 (0%) | 1/10 (10%) | |
| POLY-3 RATE (b) | 0/0.00 | 1/10.00 | |
| POLY-3 PERCENT (g) | 0% | 10% | |
| TERMINAL (d) | 0/0 (0%) | 1/10 (10%) | |
| FIRST INCIDENCE | --- | 93(T) | |
| STATISTICAL TESTS | | | |
| POLY 3 | (e) | P=0.500 | |
| POLY 1.5 | (e) | P=0.500 | |
| POLY 6 | (e) | P=0.500 | |
| COCH-ARM / FISHERS | (e) | P=0.500 | |
| MAX-ISO-POLY-3 | (e) | P=0.159 | |
| HISTCONT SAME RTE | | | |
| HISTCONT ALL RTES | | | |
| CURR VS HC SAME RTE | | | |
| CURR VS HC ALL RTES | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Stomach, Forestomach: Epithelium | | | | | | |
| Hyperplasia Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| | | | MALE |
|---|------------|--------------|------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG | |
| Stomach, Forestomach: Epithelium | | | |
| Hyperplasia Focal | | | |
| LESION RATES | | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) | |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 | |
| POLY-3 PERCENT (g) | 0% | 0% | |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) | |
| FIRST INCIDENCE | --- | --- | |
| STATISTICAL TESTS | | | |
| POLY 3 | (n) | (n) | |
| POLY 1.5 | (n) | (n) | |
| POLY 6 | (n) | (n) | |
| COCH-ARM / FISHERS | (n) | (n) | |
| MAX-ISO-POLY-3 | (n) | (n) | |
| HISTCONT SAME RTE | | | |
| HISTCONT ALL RTES | | | |
| CURR VS HC SAME RTE | | | |
| CURR VS HC ALL RTES | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|-----------|------------|------------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Thymus | | | | | | |
| Atrophy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/9 (11%) | 1/10 (10%) | 3/10 (30%) | 1/10 (10%) | 4/10 (40%) | 7/10 (70%) |
| POLY-3 RATE (b) | 1/9.00 | 1/10.00 | 3/10.00 | 1/10.00 | 4/10.00 | 7/10.00 |
| POLY-3 PERCENT (g) | 11.1% | 10% | 30% | 10% | 40% | 70% |
| TERMINAL (d) | 1/9 (11%) | 1/10 (10%) | 3/10 (30%) | 1/10 (10%) | 4/10 (40%) | 7/10 (70%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | P=0.737N | P=0.333 | P=0.737N | P=0.182 | P=0.006** |
| POLY 1.5 | P=0.000** | P=0.737N | P=0.333 | P=0.737N | P=0.182 | P=0.006** |
| POLY 6 | P=0.000** | P=0.737N | P=0.333 | P=0.737N | P=0.182 | P=0.006** |
| COCH-ARM / FISHERS | P<0.001** | P=0.737N | P=0.333 | P=0.737N | P=0.184 | P=0.015* |
| MAX-ISO-POLY-3 | P=0.000** | P=0.471N | P=0.170 | P=0.471N | P=0.082 | P=0.002** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | MALE | |
|--------------------------|--------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Thymus | | |
| Atrophy | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 10/10 (100%) | 6/8 (75%) |
| POLY-3 RATE (b) | 10/10.00 | 6/8.00 |
| POLY-3 PERCENT (g) | 100% | 75% |
| TERMINAL (d) | 10/10 (100%) | 6/8 (75%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.000** | P=0.004** |
| POLY 1.5 | P=0.000** | P=0.004** |
| POLY 6 | P=0.000** | P=0.004** |
| COCH-ARM / FISHERS | P=0.000** | P=0.013* |
| MAX-ISO-POLY-3 | P=0.000** | P<0.001** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | MALE | | | | | |
|--------------------------|----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Thymus | | | | | | |
| Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/9.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | MALE | |
|--------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Thymus | | |
| Cyst | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/8 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/8.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/8 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|--------------------------|----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Thymus | | | | | | |
| Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/9.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/9 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|---------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| <hr/> | | |
| Thymus | | |
| Hyperplasia | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/8 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/8.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/8 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | MALE | | | | | |
|-----------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Thyroid Gland | | | | | | |
| Ultimobranchial Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 5/10 (50%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 5/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 50% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 5/10 (50%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.276N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| MALE | | |
|-----------------------------|------------|--------------|
| DOSE | 30.0 MG/KG | 100.00 MG/KG |
| Thyroid Gland | | |
| Ultimobranchial Cyst | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 3/10 (30%) |
| POLY-3 RATE (b) | 0/0.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 0% | 30% |
| TERMINAL (d) | 0/0 (0%) | 3/10 (30%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.329N |
| POLY 1.5 | (e) | P=0.329N |
| POLY 6 | (e) | P=0.329N |
| COCH-ARM / FISHERS | (e) | P=0.325N |
| MAX-ISO-POLY-3 | (e) | P=0.189N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Adrenal Cortex | | | | | | |
| Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/2 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/2.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/2 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.336 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Adrenal Cortex | | |
| Hyperplasia | | |
| LESION RATES | | |
| OVERALL(a) | 0/1 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/1.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% |
| TERMINAL (d) | 0/1 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500 |
| POLY 1.5 | (e) | P=0.500 |
| POLY 6 | (e) | P=0.500 |
| COCH-ARM / FISHERS | (e) | P=0.500 |
| MAX-ISO-POLY-3 | (e) | P=0.159 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Adrenal Cortex | | | | | | |
| Hypertrophy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 0/0 (0%) | 0/2 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/0.00 | 0/2.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/0 (0%) | 0/2 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | P=0.627N | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | P=0.627N | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | P=0.627N | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.204N | (e) | P=0.682N | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | P=0.308N | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Adrenal Cortex | | |
| Hypertrophy | | |
| LESION RATES | | |
| OVERALL(a) | 0/1 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/1.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/1 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.786N | P=0.227N |
| POLY 1.5 | P=0.786N | P=0.227N |
| POLY 6 | P=0.786N | P=0.227N |
| COCH-ARM / FISHERS | P=0.818N | P=0.237N |
| MAX-ISO-POLY-3 | P=0.369N | P=0.067N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Eye | | | | | | |
| Hemorrhage | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%) | 0/0 (0%) | 1/2 (50%) | 0/1 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/1.00 | 0/0.00 | 0/0.00 | 1/2.00 | 0/1.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 50% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%) | 0/0 (0%) | 1/2 (50%) | 0/1 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=1.000N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Eye | | |
| Hemorrhage | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|-----------------------------|----------|------------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Eye | | | | | | |
| Inflammation Chronic | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 1/2 (50%) | 1/1 (100%) |
| POLY-3 RATE (b) | 0/0.00 | 1/1.00 | 0/0.00 | 0/0.00 | 1/2.00 | 1/1.00 |
| POLY-3 PERCENT (g) | 0% | 100% | 0% | 0% | 50% | 100% |
| TERMINAL (d) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 1/2 (50%) | 1/1 (100%) |
| FIRST INCIDENCE | --- | 93(T) | --- | --- | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=1.000 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|----------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Eye | | |
| Inflammation Chronic | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|------------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Clear Cell Focus | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 0% | 0% | 0% | 20% |
| TERMINAL (d) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | --- | 93(T) | --- | --- | --- | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.085 | P=0.500 | (e) | (e) | (e) | P=0.227 |
| POLY 1.5 | P=0.085 | P=0.500 | (e) | (e) | (e) | P=0.227 |
| POLY 6 | P=0.085 | P=0.500 | (e) | (e) | (e) | P=0.227 |
| COCH-ARM / FISHERS | P=0.088 | P=0.500 | (e) | (e) | (e) | P=0.237 |
| MAX-ISO-POLY-3 | P=0.059 | P=0.159 | (e) | (e) | (e) | P=0.067 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|-------------------|--------------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Liver | | |
| Clear Cell Focus | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 20% |
| TERMINAL (d) | 0/10 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | --- | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.227 |
| POLY 1.5 | (e) | P=0.227 |
| POLY 6 | (e) | P=0.227 |
| COCH-ARM / FISHERS | (e) | P=0.237 |
| MAX-ISO-POLY-3 | (e) | P=0.067 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Fatty Change | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|----------------------------|-------------------|--------------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Liver | | |
| Fatty Change | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---|------------|------------|------------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 3/10 (30%) | 2/10 (20%) | 3/10 (30%) | 3/10 (30%) | 9/10 (90%) |
| POLY-3 RATE (b) | 2/10.00 | 3/10.00 | 2/10.00 | 3/10.00 | 3/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 20% | 30% | 20% | 30% | 30% | 90% |
| TERMINAL (d) | 2/10 (20%) | 3/10 (30%) | 2/10 (20%) | 3/10 (30%) | 3/10 (30%) | 9/10 (90%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | P=0.500 | P=0.702 | P=0.500 | P=0.500 | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.500 | P=0.702 | P=0.500 | P=0.500 | P=0.000** |
| POLY 6 | P=0.000** | P=0.500 | P=0.702 | P=0.500 | P=0.500 | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.500 | P=0.709N | P=0.500 | P=0.500 | P=0.003** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.311 | P=1.000 | P=0.311 | P=0.311 | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|----------------------------------|--------------|--------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Liver | | |
| Hematopoietic Cell Proliferation | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 10/10 (100%) | 10/10 (100%) |
| POLY-3 RATE (b) | 10/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 100% | 100% |
| TERMINAL (d) | 10/10 (100%) | 10/10 (100%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.000** | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.000** |
| POLY 6 | P=0.000** | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.000** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|---|--------------|------------|--------------|--------------|------------|--------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Infiltration Cellular Mixed Cell | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 10/10 (100%) | 9/10 (90%) | 10/10 (100%) | 10/10 (100%) | 8/10 (80%) | 10/10 (100%) |
| POLY-3 RATE (b) | 10/10.00 | 9/10.00 | 10/10.00 | 10/10.00 | 8/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 100% | 90% | 100% | 100% | 80% | 100% |
| TERMINAL (d) | 10/10 (100%) | 9/10 (90%) | 10/10 (100%) | 10/10 (100%) | 8/10 (80%) | 10/10 (100%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.507N | P=0.500N | (e) | (e) | P=0.227N | (e) |
| POLY 1.5 | P=0.507N | P=0.500N | (e) | (e) | P=0.227N | (e) |
| POLY 6 | P=0.507N | P=0.500N | (e) | (e) | P=0.227N | (e) |
| COCH-ARM / FISHERS | P=0.507N | P=0.500N | (e) | (e) | P=0.237N | (e) |
| MAX-ISO-POLY-3 | P=0.300N | P=0.159N | (e) | (e) | P=0.067N | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|----------------------------------|--------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Liver | | |
| Infiltration Cellular Mixed Cell | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 10/10 (100%) | 9/10 (90%) |
| POLY-3 RATE (b) | 10/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 100% | 90% |
| TERMINAL (d) | 10/10 (100%) | 9/10 (90%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500N |
| POLY 1.5 | (e) | P=0.500N |
| POLY 6 | (e) | P=0.500N |
| COCH-ARM / FISHERS | (e) | P=0.500N |
| MAX-ISO-POLY-3 | (e) | P=0.159N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTEs | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTEs | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Mixed Cell Focus | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.762 | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | P=0.762 | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | P=0.762 | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.763 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.314 | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Liver | | |
| Mixed Cell Focus | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/10 (0%) |
| FIRST INCIDENCE | 93(T) | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.500 | (e) |
| POLY 1.5 | P=0.500 | (e) |
| POLY 6 | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.159 | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|------------|-----------|------------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Necrosis | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 0/10.00 | 1/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 0% | 10% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | 93(T) | --- | 93(T) | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.500N | P=0.500 | (e) | P=0.500 | (e) | (e) |
| POLY 1.5 | P=0.500N | P=0.500 | (e) | P=0.500 | (e) | (e) |
| POLY 6 | P=0.500N | P=0.500 | (e) | P=0.500 | (e) | (e) |
| COCH-ARM / FISHERS | P=1.000N | P=0.500 | (e) | P=0.500 | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.473N | P=0.159 | (e) | P=0.159 | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Liver | | |
| Necrosis | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver | | | | | | |
| Vacuolization Cytoplasmic Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:27
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Liver | | |
| Vacuolization Cytoplasmic Focal | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|------------|--------------|------------|--------------|------------|--------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver: Bile Duct | | | | | | |
| Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 4/10 (40%) | 10/10 (100%) | 9/10 (90%) | 10/10 (100%) | 8/10 (80%) | 10/10 (100%) |
| POLY-3 RATE (b) | 4/10.00 | 10/10.00 | 9/10.00 | 10/10.00 | 8/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 40% | 100% | 90% | 100% | 80% | 100% |
| TERMINAL (d) | 4/10 (40%) | 10/10 (100%) | 9/10 (90%) | 10/10 (100%) | 8/10 (80%) | 10/10 (100%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.008N** | P<0.001** | P=0.018* | P<0.001** | P=0.077 | P<0.001** |
| POLY 1.5 | P=0.008N** | P<0.001** | P=0.018* | P<0.001** | P=0.077 | P<0.001** |
| POLY 6 | P=0.008N** | P<0.001** | P=0.018* | P<0.001** | P=0.077 | P<0.001** |
| COCH-ARM / FISHERS | P=0.016N* | P=0.005** | P=0.029* | P=0.005** | P=0.085 | P=0.005** |
| MAX-ISO-POLY-3 | P=0.006** | P=0.000** | P=0.005** | P=0.000** | P=0.029* | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|----------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Liver: Bile Duct | | |
| Hyperplasia | | |
| LESION RATES | | |
| OVERALL(a) | 7/10 (70%) | 5/10 (50%) |
| POLY-3 RATE (b) | 7/10.00 | 5/10.00 |
| POLY-3 PERCENT (g) | 70% | 50% |
| TERMINAL (d) | 7/10 (70%) | 5/10 (50%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.186 | P=0.500 |
| POLY 1.5 | P=0.186 | P=0.500 |
| POLY 6 | P=0.186 | P=0.500 |
| COCH-ARM / FISHERS | P=0.185 | P=0.500 |
| MAX-ISO-POLY-3 | P=0.090 | P=0.334 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------------------|-----------|-----------|-----------|-----------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Liver: Hepatocyte Hypertrophy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 6/10 (60%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 6/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 10% | 60% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 6/10 (60%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| POLY 1.5 | P=0.000** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| POLY 6 | P=0.000** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | P=0.500 | P=0.005** |
| MAX-ISO-POLY-3 | P=0.000** | (e) | (e) | (e) | P=0.159 | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|-------------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Liver: Hepatocyte Hypertrophy | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 6/10 (60%) | 5/10 (50%) |
| POLY-3 RATE (b) | 6/10.00 | 5/10.00 |
| POLY-3 PERCENT (g) | 60% | 50% |
| TERMINAL (d) | 6/10 (60%) | 5/10 (50%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P<0.001** | P=0.008** |
| POLY 1.5 | P<0.001** | P=0.008** |
| POLY 6 | P<0.001** | P=0.008** |
| COCH-ARM / FISHERS | P=0.005** | P=0.016* |
| MAX-ISO-POLY-3 | P=0.000** | P<0.001** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:27

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|------------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Fibrosis Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 93(T) | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.708N | (e) | (e) | P=0.500 | (e) | (e) |
| POLY 1.5 | P=0.708N | (e) | (e) | P=0.500 | (e) | (e) |
| POLY 6 | P=0.708N | (e) | (e) | P=0.500 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.710N | (e) | (e) | P=0.500 | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.605N | (e) | (e) | P=0.159 | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Lung | | |
| Fibrosis Focal | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/9 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/9.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/9 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|---|-----------|------------|------------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 2/10 (20%) | 3/10 (30%) | 1/10 (10%) | 1/10 (10%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 2/10.00 | 3/10.00 | 1/10.00 | 1/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 20% | 30% | 10% | 10% | 0% |
| TERMINAL (d) | 0/10 (0%) | 2/10 (20%) | 3/10 (30%) | 1/10 (10%) | 1/10 (10%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | 93(T) | 93(T) | 93(T) | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.038* | P=0.227 | P=0.095 | P=0.500 | P=0.500 | (e) |
| POLY 1.5 | P=0.038* | P=0.227 | P=0.095 | P=0.500 | P=0.500 | (e) |
| POLY 6 | P=0.038* | P=0.227 | P=0.095 | P=0.500 | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.044* | P=0.237 | P=0.105 | P=0.500 | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.007** | P=0.067 | P=0.025* | P=0.159 | P=0.159 | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|---|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Lung | | |
| Infiltration Cellular Histiocyte | | |
| LESION RATES | | |
| OVERALL(a) | 0/9 (0%) | 4/10 (40%) |
| POLY-3 RATE (b) | 0/9.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 0% | 40% |
| TERMINAL (d) | 0/9 (0%) | 4/10 (40%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.033* |
| POLY 1.5 | (e) | P=0.033* |
| POLY 6 | (e) | P=0.033* |
| COCH-ARM / FISHERS | (e) | P=0.043* |
| MAX-ISO-POLY-3 | (e) | P=0.007** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Infiltration Cellular Mononuclear CI | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.076 | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | P=0.076 | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | P=0.076 | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.075 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.047* | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|---|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Lung | | |
| Infiltration Cellular Mononuclear CI | | |
| LESION RATES | | |
| OVERALL(a) | 0/9 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/9.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% |
| TERMINAL (d) | 0/9 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500 |
| POLY 1.5 | (e) | P=0.500 |
| POLY 6 | (e) | P=0.500 |
| COCH-ARM / FISHERS | (e) | P=0.500 |
| MAX-ISO-POLY-3 | (e) | P=0.159 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Inflammation Granulomatous Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Lung | | |
| Inflammation Granulomatous Focal | | |
| LESION RATES | | |
| OVERALL(a) | 0/9 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/9.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/9 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung | | | | | | |
| Mineralization | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Lung | | |
| Mineralization | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/9 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/9.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/9 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--|------------|------------|-----------|------------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Alveolar Epith Metaplasia Bronchiolar | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 2/10 (20%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 2/10.00 | 0/10.00 | 1/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 10% | 20% | 0% | 10% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 2/10 (20%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | 93(T) | 93(T) | --- | 93(T) | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.031* | P=0.500 | P=0.500N | P=0.760 | P=0.500N | P=0.521N |
| POLY 1.5 | P=0.031* | P=0.500 | P=0.500N | P=0.760 | P=0.500N | P=0.521N |
| POLY 6 | P=0.031* | P=0.500 | P=0.500N | P=0.760 | P=0.500N | P=0.521N |
| COCH-ARM / FISHERS | P=0.034* | P=0.500 | P=0.500N | P=0.763N | P=0.500N | P=0.526N |
| MAX-ISO-POLY-3 | P=0.061 | P=0.274 | P=0.159N | P=1.000 | P=0.159N | P=0.179N |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--|-------------------|--------------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Lung: Alveolar Epith Metaplasia Bronchiolar | | |
| LESION RATES | | |
| OVERALL(a) | 3/9 (33%) | 3/10 (30%) |
| POLY-3 RATE (b) | 3/9.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 33.3% | 30% |
| TERMINAL (d) | 3/9 (33%) | 3/10 (30%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.250 | P=0.292 |
| POLY 1.5 | P=0.250 | P=0.292 |
| POLY 6 | P=0.250 | P=0.292 |
| COCH-ARM / FISHERS | P=0.249 | P=0.291 |
| MAX-ISO-POLY-3 | P=0.116 | P=0.138 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Alveolus | | | | | | |
| Hyperplasia Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Lung: Alveolus | | |
| Hyperplasia Focal | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/9 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/9.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/9 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Alveolus | | | | | | |
| Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Lung: Alveolus | | |
| Infiltration Cellular Histiocyte | | |
| LESION RATES | | |
| OVERALL(a) | 0/9 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/9.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/9 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---|-----------|------------|------------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Interstitium | | | | | | |
| Infiltration Cellular Mononuclear CI | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 1/10 (10%) | 2/10 (20%) | 2/10 (20%) | 2/10 (20%) | 0/9 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 2/10.00 | 2/10.00 | 2/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 20% | 20% | 20% | 0% |
| TERMINAL (d) | 0/10 (0%) | 1/10 (10%) | 2/10 (20%) | 2/10 (20%) | 2/10 (20%) | 0/9 (0%) |
| FIRST INCIDENCE | --- | 93(T) | 93(T) | 93(T) | 93(T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.000** | P=0.500 | P=0.227 | P=0.227 | P=0.227 | (e) |
| POLY 1.5 | P=0.000** | P=0.500 | P=0.227 | P=0.227 | P=0.227 | (e) |
| POLY 6 | P=0.000** | P=0.500 | P=0.227 | P=0.227 | P=0.227 | (e) |
| COCH-ARM / FISHERS | P<0.001** | P=0.500 | P=0.237 | P=0.237 | P=0.237 | (e) |
| MAX-ISO-POLY-3 | P=0.000** | P=0.159 | P=0.067 | P=0.067 | P=0.067 | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Lung: Interstitium | | |
| Infiltration Cellular Mononuclear CI | | |
| LESION RATES | | |
| OVERALL(a) | 2/9 (22%) | 6/10 (60%) |
| POLY-3 RATE (b) | 2/9.00 | 6/10.00 |
| POLY-3 PERCENT (g) | 22.2% | 60% |
| TERMINAL (d) | 2/9 (22%) | 6/10 (60%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.201 | P<0.001** |
| POLY 1.5 | P=0.201 | P<0.001** |
| POLY 6 | P=0.201 | P<0.001** |
| COCH-ARM / FISHERS | P=0.211 | P=0.005** |
| MAX-ISO-POLY-3 | P=0.060 | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|---|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Lung: Perivascular | | | | | | |
| Infiltration Cellular Polymorphnuclr | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.698N | P=0.500N | P=0.500N | P=0.500N | P=0.500N | P=0.521N |
| POLY 1.5 | P=0.698N | P=0.500N | P=0.500N | P=0.500N | P=0.500N | P=0.521N |
| POLY 6 | P=0.698N | P=0.500N | P=0.500N | P=0.500N | P=0.500N | P=0.521N |
| COCH-ARM / FISHERS | P=0.699N | P=0.500N | P=0.500N | P=0.500N | P=0.500N | P=0.526N |
| MAX-ISO-POLY-3 | P=0.047N* | P=0.159N | P=0.159N | P=0.159N | P=0.159N | P=0.179N |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Lung: Perivascular Infiltration Cellular Polymorphnuclr | | |
| LESION RATES | | |
| OVERALL(a) | 0/9 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/9.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/9 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.521N | P=0.500N |
| POLY 1.5 | P=0.521N | P=0.500N |
| POLY 6 | P=0.521N | P=0.500N |
| COCH-ARM / FISHERS | P=0.526N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.179N | P=0.159N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Nose: Nerve | | | | | | |
| Degeneration | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 3/10 (30%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 3/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 30% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 3/10 (30%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.438N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Nose: Nerve | | |
| Degeneration | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/0.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 20% |
| TERMINAL (d) | 0/0 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | --- | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500N |
| POLY 1.5 | (e) | P=0.500N |
| POLY 6 | (e) | P=0.500N |
| COCH-ARM / FISHERS | (e) | P=0.500N |
| MAX-ISO-POLY-3 | (e) | P=0.311N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Nose: Respirat Epith Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|---|-------------------|--------------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Nose: Respirat Epith Hyperplasia | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Nose: Respirat Epith Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|--|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Nose: Respirat Epith Inflammation | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|---|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Nose: Squam Epithel Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.117 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Nose: Squam Epithel Inflammation | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 4/10 (40%) |
| POLY-3 RATE (b) | 0/0.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 0% | 40% |
| TERMINAL (d) | 0/0 (0%) | 4/10 (40%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.148 |
| POLY 1.5 | (e) | P=0.148 |
| POLY 6 | (e) | P=0.148 |
| COCH-ARM / FISHERS | (e) | P=0.152 |
| MAX-ISO-POLY-3 | (e) | P=0.059 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|---|----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Oral Mucosa: Gingival Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Oral Mucosa: Gingival Inflammation | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 2/2 (100%) |
| POLY-3 RATE (b) | 0/0.00 | 2/2.00 |
| POLY-3 PERCENT (g) | 0% | 100% |
| TERMINAL (d) | 0/0 (0%) | 2/2 (100%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Pancreas | | | | | | |
| Basophilic Focus | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.379 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Pancreas | | |
| Basophilic Focus | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/0.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% |
| TERMINAL (d) | 0/0 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500 |
| POLY 1.5 | (e) | P=0.500 |
| POLY 6 | (e) | P=0.500 |
| COCH-ARM / FISHERS | (e) | P=0.500 |
| MAX-ISO-POLY-3 | (e) | P=0.159 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Pancreas: Acinus | | | | | | |
| Atrophy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.166 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Pancreas: Acinus | | |
| Atrophy | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/0.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 20% |
| TERMINAL (d) | 0/0 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.227 |
| POLY 1.5 | (e) | P=0.227 |
| POLY 6 | (e) | P=0.227 |
| COCH-ARM / FISHERS | (e) | P=0.237 |
| MAX-ISO-POLY-3 | (e) | P=0.067 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTEs | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTEs | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Pancreas: Acinus | | | | | | |
| Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.379 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Pancreas: Acinus | | |
| Inflammation | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/0.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% |
| TERMINAL (d) | 0/0 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500 |
| POLY 1.5 | (e) | P=0.500 |
| POLY 6 | (e) | P=0.500 |
| COCH-ARM / FISHERS | (e) | P=0.500 |
| MAX-ISO-POLY-3 | (e) | P=0.159 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Pituitary Gland | | | | | | |
| Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Pituitary Gland | | |
| Cyst | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Skin: Subcut Tiss | | | | | | |
| Inflammation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.379N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Skin: Subcut Tiss | | |
| Inflammation | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500N |
| POLY 1.5 | (e) | P=0.500N |
| POLY 6 | (e) | P=0.500N |
| COCH-ARM / FISHERS | (e) | P=0.500N |
| MAX-ISO-POLY-3 | (e) | P=0.159N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Spleen | | | | | | |
| Fibrosis | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/2 (0%) | 0/2 (0%) | 0/2 (0%) | 0/2 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/2.00 | 0/2.00 | 0/2.00 | 0/2.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/2 (0%) | 0/2 (0%) | 0/2 (0%) | 0/2 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.182 | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | P=0.182 | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | P=0.182 | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.170 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.132 | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Spleen | | |
| Fibrosis | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% |
| TERMINAL (d) | 0/10 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500 |
| POLY 1.5 | (e) | P=0.500 |
| POLY 6 | (e) | P=0.500 |
| COCH-ARM / FISHERS | (e) | P=0.500 |
| MAX-ISO-POLY-3 | (e) | P=0.159 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|---|------------|------------|------------|------------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Spleen | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 3/10 (30%) | 2/2 (100%) | 2/2 (100%) | 2/2 (100%) | 1/2 (50%) | 5/10 (50%) |
| POLY-3 RATE (b) | 3/10.00 | 2/2.00 | 2/2.00 | 2/2.00 | 1/2.00 | 5/10.00 |
| POLY-3 PERCENT (g) | 30% | 100% | 100% | 100% | 50% | 50% |
| TERMINAL (d) | 3/10 (30%) | 2/2 (100%) | 2/2 (100%) | 2/2 (100%) | 1/2 (50%) | 5/10 (50%) |
| FIRST INCIDENCE | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.001N** | P=0.130 | P=0.130 | P=0.130 | P=0.600 | P=0.329 |
| POLY 1.5 | P=0.001N** | P=0.130 | P=0.130 | P=0.130 | P=0.600 | P=0.329 |
| POLY 6 | P=0.001N** | P=0.130 | P=0.130 | P=0.130 | P=0.600 | P=0.329 |
| COCH-ARM / FISHERS | P=0.003N** | P=0.152 | P=0.152 | P=0.152 | P=0.576 | P=0.325 |
| MAX-ISO-POLY-3 | P=0.001N** | P=0.063 | P=0.063 | P=0.063 | P=0.347 | P=0.189 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|---|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Spleen | | |
| Hematopoietic Cell Proliferation | | |
| LESION RATES | | |
| OVERALL(a) | 2/10 (20%) | 0/10 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/10 (0%) |
| FIRST INCIDENCE | 93(T) | --- |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.500N | P=0.095N |
| POLY 1.5 | P=0.500N | P=0.095N |
| POLY 6 | P=0.500N | P=0.095N |
| COCH-ARM / FISHERS | P=0.500N | P=0.105N |
| MAX-ISO-POLY-3 | P=0.311N | P=0.025N* |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Spleen | | | | | | |
| Infiltration Cellular Polymorphnuclr | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/2 (0%) | 0/2 (0%) | 0/2 (0%) | 0/2 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/2.00 | 0/2.00 | 0/2.00 | 0/2.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/2 (0%) | 0/2 (0%) | 0/2 (0%) | 0/2 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|---|-------------------|--------------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Spleen | | |
| Infiltration Cellular Polymorphnuclr | | |
| LESION RATES | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Spleen | | | | | | |
| Pigmentation Hemosiderin | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/2 (0%) | 1/2 (50%) | 0/2 (0%) | 1/2 (50%) | 4/10 (40%) |
| POLY-3 RATE (b) | 0/10.00 | 0/2.00 | 1/2.00 | 0/2.00 | 1/2.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 50% | 0% | 50% | 40% |
| TERMINAL (d) | 0/10 (0%) | 0/2 (0%) | 1/2 (50%) | 0/2 (0%) | 1/2 (50%) | 4/10 (40%) |
| FIRST INCIDENCE | --- | --- | 93(T) | --- | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.002** | (e) | P=0.124 | (e) | P=0.124 | P=0.033* |
| POLY 1.5 | P=0.002** | (e) | P=0.124 | (e) | P=0.124 | P=0.033* |
| POLY 6 | P=0.002** | (e) | P=0.124 | (e) | P=0.124 | P=0.033* |
| COCH-ARM / FISHERS | P=0.005** | (e) | P=0.167 | (e) | P=0.167 | P=0.043* |
| MAX-ISO-POLY-3 | P=0.000** | (e) | P=0.013* | (e) | P=0.013* | P=0.007** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---------------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Spleen | | |
| Pigmentation Hemosiderin | | |
| LESION RATES | | |
| OVERALL(a) | 7/10 (70%) | 7/10 (70%) |
| POLY-3 RATE (b) | 7/10.00 | 7/10.00 |
| POLY-3 PERCENT (g) | 70% | 70% |
| TERMINAL (d) | 7/10 (70%) | 7/10 (70%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.000** | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.000** |
| POLY 6 | P=0.000** | P=0.000** |
| COCH-ARM / FISHERS | P=0.002** | P=0.002** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|-----------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Stomach, Forestomach | | | | | | |
| Diverticulum | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.379N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|-----------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Stomach, Forestomach | | |
| Diverticulum | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500N |
| POLY 1.5 | (e) | P=0.500N |
| POLY 6 | (e) | P=0.500N |
| COCH-ARM / FISHERS | (e) | P=0.500N |
| MAX-ISO-POLY-3 | (e) | P=0.159N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Stomach, Forestomach | | | | | | |
| Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 1.5 | (n) | (n) | (n) | (n) | (n) | (n) |
| POLY 6 | (n) | (n) | (n) | (n) | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) | (n) | (n) | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) | (n) | (n) | (n) | (n) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|-----------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Stomach, Forestomach | | |
| Hyperplasia | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (n) | (n) |
| POLY 1.5 | (n) | (n) |
| POLY 6 | (n) | (n) |
| COCH-ARM / FISHERS | (n) | (n) |
| MAX-ISO-POLY-3 | (n) | (n) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|---|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Stomach, Forestomach: Epithelium | | | | | | |
| Hyperplasia Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.379N | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| | | | FEMALE |
|---|------------|-------------|--------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG | |
| Stomach, Forestomach: Epithelium | | | |
| Hyperplasia Focal | | | |
| LESION RATES | | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) | |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 | |
| POLY-3 PERCENT (g) | 0% | 0% | |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) | |
| FIRST INCIDENCE | --- | --- | |
| STATISTICAL TESTS | | | |
| POLY 3 | (e) | P=0.500N | |
| POLY 1.5 | (e) | P=0.500N | |
| POLY 6 | (e) | P=0.500N | |
| COCH-ARM / FISHERS | (e) | P=0.500N | |
| MAX-ISO-POLY-3 | (e) | P=0.159N | |
| HISTCONT SAME RTE | | | |
| HISTCONT ALL RTES | | | |
| CURR VS HC SAME RTE | | | |
| CURR VS HC ALL RTES | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|------------|------------|------------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Thymus | | | | | | |
| Atrophy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 2/10 (20%) | 8/10 (80%) | 7/10 (70%) | 6/10 (60%) | 8/10 (80%) |
| POLY-3 RATE (b) | 0/10.00 | 2/10.00 | 8/10.00 | 7/10.00 | 6/10.00 | 8/10.00 |
| POLY-3 PERCENT (g) | 0% | 20% | 80% | 70% | 60% | 80% |
| TERMINAL (d) | 0/10 (0%) | 2/10 (20%) | 8/10 (80%) | 7/10 (70%) | 6/10 (60%) | 8/10 (80%) |
| FIRST INCIDENCE | --- | 93(T) | 93(T) | 93(T) | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.052 | P=0.227 | P=0.000** | P=0.000** | P<0.001** | P=0.000** |
| POLY 1.5 | P=0.052 | P=0.227 | P=0.000** | P=0.000** | P<0.001** | P=0.000** |
| POLY 6 | P=0.052 | P=0.227 | P=0.000** | P=0.000** | P<0.001** | P=0.000** |
| COCH-ARM / FISHERS | P=0.087 | P=0.237 | P=0.000** | P=0.002** | P=0.005** | P=0.000** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.067 | P=0.000** | P=0.000** | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|---------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Thymus | | |
| Atrophy | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 9/10 (90%) | 7/10 (70%) |
| POLY-3 RATE (b) | 9/10.00 | 7/10.00 |
| POLY-3 PERCENT (g) | 90% | 70% |
| TERMINAL (d) | 9/10 (90%) | 7/10 (70%) |
| FIRST INCIDENCE | 93(T) | 93(T) |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.000** | P=0.000** |
| POLY 1.5 | P=0.000** | P=0.000** |
| POLY 6 | P=0.000** | P=0.000** |
| COCH-ARM / FISHERS | P=0.000** | P=0.002** |
| MAX-ISO-POLY-3 | P=0.000** | P=0.000** |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|------------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Thymus | | | | | | |
| Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 10% | 10% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93(T) | 93(T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.665N | (e) | (e) | (e) | P=0.500 | P=0.500 |
| POLY 1.5 | P=0.665N | (e) | (e) | (e) | P=0.500 | P=0.500 |
| POLY 6 | P=0.665N | (e) | (e) | (e) | P=0.500 | P=0.500 |
| COCH-ARM / FISHERS | P=0.668N | (e) | (e) | (e) | P=0.500 | P=0.500 |
| MAX-ISO-POLY-3 | P=0.383 | (e) | (e) | (e) | P=0.159 | P=0.159 |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|----------------------------|-------------------|--------------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Thymus | | |
| Cyst | | |
| LESION RATES | | |
| OVERALL(a) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/10 (0%) |
| FIRST INCIDENCE | 93(T) | --- |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.500 | (e) |
| POLY 1.5 | P=0.500 | (e) |
| POLY 6 | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.159 | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Thymus | | | | | | |
| Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.762 | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | P=0.762 | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | P=0.762 | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.763 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.314 | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Thymus | | |
| Hyperplasia | | |
| LESION RATES | | |
| OVERALL(a) | 1/10 (10%) | 0/10 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/10 (0%) |
| FIRST INCIDENCE | 93(T) | --- |
| STATISTICAL TESTS | | |
| POLY 3 | P=0.500 | (e) |
| POLY 1.5 | P=0.500 | (e) |
| POLY 6 | P=0.500 | (e) |
| COCH-ARM / FISHERS | P=0.500 | (e) |
| MAX-ISO-POLY-3 | P=0.159 | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| DOSE | FEMALE | | | | | |
|-----------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Thyroid Gland | | | | | | |
| Ultimobranchial Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.652 | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|-----------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Thyroid Gland | | |
| Ultimobranchial Cyst | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/0.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 20% |
| TERMINAL (d) | 0/0 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | --- | 93(T) |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.702 |
| POLY 1.5 | (e) | P=0.702 |
| POLY 6 | (e) | P=0.702 |
| COCH-ARM / FISHERS | (e) | P=0.709N |
| MAX-ISO-POLY-3 | (e) | P=1.000 |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:51:28

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|--------------------------|-----------|-----------|------------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Uterus | | | | | | |
| Atrophy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 0/10 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/0.00 | 1/1.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 100% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 1/1 (100%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 93(T) | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | P=0.091 | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | P=0.091 | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | P=0.091 | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.400N | (e) | P=0.091 | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | P=0.000** | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

Experiment Number: 88148-05
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:51:28
First Dose M/F: NA / NA
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS**

| FEMALE | | |
|--------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| <hr/> | | |
| Uterus | | |
| Atrophy | | |
| <hr/> | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| <hr/> | | |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | (e) |
| POLY 1.5 | (e) | (e) |
| POLY 6 | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

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Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| DOSE | FEMALE | | | | | |
|----------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/KG | 0.1 MG/KG | 0.3 MG/KG | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG |
| Uterus: Endometrium | | | | | | |
| Hyperplasia Cystic | | | | | | |
| LESION RATES | | | | | | |
| OVERALL(a) | 1/10 (10%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| POLY-3 RATE (b) | 1/10.00 | 0/0.00 | 0/1.00 | 0/0.00 | 0/0.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/1 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 93(T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | P=0.913N | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | P=0.913N | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | P=0.913N | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.398N | (e) | P=0.909N | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | P=0.411N | (e) | (e) | (e) |
| HISTCONT SAME RTE | | | | | | |
| HISTCONT ALL RTES | | | | | | |
| CURR VS HC SAME RTE | | | | | | |
| CURR VS HC ALL RTES | | | | | | |

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Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(HSD)
LAST REMOVAL AT 14286 WEEKS

| FEMALE | | |
|----------------------------|------------|-------------|
| DOSE | 30.0 MG/KG | 100.0 MG/KG |
| Uterus: Endometrium | | |
| Hyperplasia Cystic | | |
| LESION RATES | | |
| OVERALL(a) | 0/0 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- |
| STATISTICAL TESTS | | |
| POLY 3 | (e) | P=0.500N |
| POLY 1.5 | (e) | P=0.500N |
| POLY 6 | (e) | P=0.500N |
| COCH-ARM / FISHERS | (e) | P=0.500N |
| MAX-ISO-POLY-3 | (e) | P=0.159N |
| HISTCONT SAME RTE | | |
| HISTCONT ALL RTES | | |
| CURR VS HC SAME RTE | | |
| CURR VS HC ALL RTES | | |

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

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First Dose M/F: NA / NA

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 ****