

**Experiment Number:** 20313 - 03  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** RATS/F 344/NCTR

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 09/22/2016  
**Time Report Requested:** 07:57:14  
**First Dose M/F:** 08/09/04 / 08/09/04  
**Lab:** NCTR

**NTP Study Number:** C20313B  
**Lock Date:** 03/06/2013  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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

### MALE RATS

#### Organ

Epididymis  
  
Liver  
Liver: Left Lateral Lobe  
Lung: Alveolus  
Peripheral Nerve: Axon  
Peripheral Nerve: Schwann Cell  
Preputial Gland  
  
Skeletal Muscle  
Testes: Germinal Epithelium

### FEMALE RATS

#### Organ

Liver  
Liver: Left Lateral Lobe  
Ovary  
Peripheral Nerve: Axon  
Peripheral Nerve: Schwann Cell  
Skeletal Muscle  
Urinary Bladder  
Uterus

#### Morphology

Exfoliated Germ Cell  
Hypospermia  
Tension Lipidosis  
Developmental Malformation  
Hemorrhage  
Degeneration  
Degeneration  
Inflammation  
Inflammation Chronic  
Atrophy  
Degeneration

#### Morphology

Hepatodiaphragmatic Nodule  
Developmental Malformation  
Cyst  
Degeneration  
Degeneration  
Atrophy  
Dilatation  
Dilatation

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Adrenal Cortex</b>						
<b>Vacuolization Cytoplasmic</b>						
<b>LESION RATES</b>						
OVERALL (a)	2/8 (25%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	2/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	25%	0%	0%	0%	0%	0%
TERMINAL (d)	2/8 (25%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	101 (T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.223N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.223N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.223N
COCH-ARM / FISHERS	P=0.145N	(e)	(e)	(e)	(e)	P=0.233N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.063N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Bone Marrow</b>						
<b>Atrophy Focal</b>						
<b>LESION RATES</b>						
<b>OVERALL (a)</b>	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
<b>POLY-3 RATE (b)</b>	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%	0%	0%	0%
<b>TERMINAL (d)</b>	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
<b>FIRST INCIDENCE</b>	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
<b>POLY 3</b>	(n)	(n)	(n)	(n)	(n)	(n)
<b>POLY 1.5</b>	(n)	(n)	(n)	(n)	(n)	(n)
<b>POLY 6</b>	(n)	(n)	(n)	(n)	(n)	(n)
<b>COCH-ARM / FISHERS</b>	(n)	(n)	(n)	(n)	(n)	(n)
<b>MAX-ISO-POLY-3</b>	(n)	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Epididymis</b>						
<b>Exfoliated Germ Cell</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	1/8 (13%)	0/8 (0%)	3/8 (38%)	8/8 (100%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	1/8.00	0/8.00	3/8.00	8/8.00	8/8.00
POLY-3 PERCENT (g)	0%	12.5%	0%	37.5%	100%	100%
TERMINAL (d)	0/8 (0%)	1/8 (13%)	0/8 (0%)	3/8 (38%)	8/8 (100%)	8/8 (100%)
FIRST INCIDENCE	---	101 (T)	---	101 (T)	101 (T)	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	P<0.001**	P=0.500	(e)	P=0.086	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.500	(e)	P=0.086	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.500	(e)	P=0.086	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	(e)	P=0.100	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.158	(e)	P=0.020*	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Epididymis</b>						
<b>Hypospermia</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/8 (0%)	0/8 (0%)	0/8 (0%)	0/8 (0%)	4/8 (50%)
POLY-3 RATE (b)	0/8.00	0/8.00	0/8.00	0/8.00	0/8.00	4/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	50%
TERMINAL (d)	0/8 (0%)	0/8 (0%)	0/8 (0%)	0/8 (0%)	0/8 (0%)	4/8 (50%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.024*
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.024*
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.024*
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.038*
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P=0.004**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Eye: Retina Degeneration</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Harderian Gland Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	1/8.00	0/0.00	0/0.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%	12.5%
TERMINAL (d)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	101 (T)	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.675	(e)	(e)	(e)	(e)	P=0.767N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000



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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Heart: Myocardium</b>						
<b>Inflammation Focal</b>						
<b>LESION RATES</b>						
OVERALL (a)	3/8 (38%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)
POLY-3 RATE (b)	3/8.00	0/0.00	0/0.00	0/0.00	0/0.00	2/8.00
POLY-3 PERCENT (g)	37.5%	0%	0%	0%	0%	25%
TERMINAL (d)	3/8 (38%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)
FIRST INCIDENCE	101 (T)	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.415N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.304N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Kidney: Cortex Mineralization</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Kidney: Renal Tubule Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	1/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%	0%
TERMINAL (d)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	101 (T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.340N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Liver</b>						
<b>Hepatodiaphragmatic Nodule</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/1.00	0/0.00	0/1.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.295	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Liver</b>						
<b>Infiltration Cellular Lymphocyte</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/8 (0%)
POLY-3 RATE (b)	1/8.00	0/1.00	0/1.00	0/0.00	0/1.00	0/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%	0%
TERMINAL (d)	1/8 (13%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/8 (0%)
FIRST INCIDENCE	101 (T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	P=0.878N	P=0.878N	(e)	P=0.878N	P=0.500N
POLY 1.5	(e)	P=0.878N	P=0.878N	(e)	P=0.878N	P=0.500N
POLY 6	(e)	P=0.878N	P=0.878N	(e)	P=0.878N	P=0.500N
COCH-ARM / FISHERS	P=0.374N	P=0.889N	P=0.889N	(e)	P=0.889N	P=0.500N
MAX-ISO-POLY-3	(e)	P=0.399N	P=0.399N	(e)	P=0.399N	P=0.158N

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 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Liver</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/1.00	0/0.00	0/1.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Liver</b>						
<b>Necrosis Focal</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	2/8 (25%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/1.00	0/0.00	0/1.00	2/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	25%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	2/8 (25%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.223
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.223
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.223
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.233
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.063

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Liver</b>						
<b>Tension Lipidosis</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	1/1 (100%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	1/1.00	0/1.00	0/0.00	0/1.00	0/8.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	1/1 (100%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/8 (0%)
FIRST INCIDENCE	---	101 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	P=0.111	(e)	(e)	(e)	(e)
POLY 1.5	(e)	P=0.111	(e)	(e)	(e)	(e)
POLY 6	(e)	P=0.111	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.407N	P=0.111	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)	(e)	(e)	(e)



Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Liver</b>						
<b>Vacuolization Cytoplasmic</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/1.00	0/0.00	0/1.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Liver: Left Lateral Lobe Developmental Malformation</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/1 (0%)	1/1 (100%)	0/0 (0%)	1/1 (100%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/1.00	1/1.00	0/0.00	1/1.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	100%	0%	100%	0%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	1/1 (100%)	0/0 (0%)	1/1 (100%)	0/8 (0%)
FIRST INCIDENCE	---	---	101 (T)	---	101 (T)	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	P=0.111	(e)	P=0.111	(e)
POLY 1.5	(e)	(e)	P=0.111	(e)	P=0.111	(e)
POLY 6	(e)	(e)	P=0.111	(e)	P=0.111	(e)
COCH-ARM / FISHERS	P=0.438N	(e)	P=0.111	(e)	P=0.111	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)	P<0.001**	(e)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Lung: Alveolus Hemorrhage</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/8 (38%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	3/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	37.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/8 (38%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.086
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.086
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.086
COCH-ARM / FISHERS	P=0.062	(e)	(e)	(e)	(e)	P=0.100
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.020*

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Lung: Alveolus Inflammation Focal</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	1/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%	0%
TERMINAL (d)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	101 (T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.340N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Mesentery: Fat Necrosis</b>						
<b>LESION RATES</b>						
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	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Peripheral Nerve: Axon Degeneration</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/8.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	8/8 (100%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Peripheral Nerve: Schwann Cell Degeneration</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/8.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	8/8 (100%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Pituitary Gland: Pars Distalis Cyst</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	1/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%	0%
TERMINAL (d)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	101 (T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.340N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N



Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
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 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Preputial Gland Inflammation</b>						
<b>LESION RATES</b>						
OVERALL (a)	3/8 (38%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	3/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	37.5%	0%	0%	0%	0%	0%
TERMINAL (d)	3/8 (38%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	101 (T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.086N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.086N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.086N
COCH-ARM / FISHERS	P=0.062N	(e)	(e)	(e)	(e)	P=0.100N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.020N*

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Preputial Gland Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	6/8 (75%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	6/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	75%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	6/8 (75%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P=0.003**	(e)	(e)	(e)	(e)	P=0.003**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Prostate Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.340	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Skeletal Muscle Atrophy</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/8.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	8/8 (100%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Spinal Cord, Lumbar: Axon Degeneration</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Spleen Pigmentation</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	2/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	25%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)
FIRST INCIDENCE	---	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.223
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.223
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.223
COCH-ARM / FISHERS	P=0.145	(e)	(e)	(e)	(e)	P=0.233
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.063

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Testes: Germinal Epithelium Degeneration</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	2/8 (25%)	2/8 (25%)	4/8 (50%)	7/8 (88%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	2/8.00	2/8.00	4/8.00	7/8.00	8/8.00
POLY-3 PERCENT (g)	0%	25%	25%	50%	87.5%	100%
TERMINAL (d)	0/8 (0%)	2/8 (25%)	2/8 (25%)	4/8 (50%)	7/8 (88%)	8/8 (100%)
FIRST INCIDENCE	---	101 (T)	101 (T)	101 (T)	101 (T)	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	P<0.001**	P=0.223	P=0.223	P=0.024*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.223	P=0.223	P=0.024*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.223	P=0.223	P=0.024*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.233	P=0.233	P=0.038*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.063	P=0.063	P=0.004**	P<0.001**	(e)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Thymus Hemorrhage</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	1/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%	0%
TERMINAL (d)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	101 (T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.340N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N



Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males					
	Control Feed M	7.4 PPM Acryl M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM Acryl M	185 PPM Acryl M
<b>Urinary Bladder Dilatation</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/8 (38%)
POLY-3 RATE (b)	1/8.00	0/0.00	0/0.00	0/0.00	0/0.00	3/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%	37.5%
TERMINAL (d)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/8 (38%)
FIRST INCIDENCE	101 (T)	---	---	---	---	101 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.286
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.286
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.286
COCH-ARM / FISHERS	P=0.209	(e)	(e)	(e)	(e)	P=0.285
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.129

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Adrenal Cortex</b>						
<b>Vacuolization Cytoplasmic</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Bone Marrow</b>						
<b>Atrophy Focal</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.340	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Clitoral Gland Inflammation</b>						
<b>LESION RATES</b>						
OVERALL (a)	2/8 (25%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)
POLY-3 RATE (b)	2/8.00	0/0.00	0/0.00	0/0.00	0/0.00	2/8.00
POLY-3 PERCENT (g)	25%	0%	0%	0%	0%	25%
TERMINAL (d)	2/8 (25%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)
FIRST INCIDENCE	102 (T)	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.705
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.705
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.705
COCH-ARM / FISHERS	P=0.635	(e)	(e)	(e)	(e)	P=0.715N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Clitoral Gland Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL (a)	5/8 (63%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/8 (38%)
POLY-3 RATE (b)	5/8.00	0/0.00	0/0.00	0/0.00	0/0.00	3/8.00
POLY-3 PERCENT (g)	62.5%	0%	0%	0%	0%	37.5%
TERMINAL (d)	5/8 (63%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/8 (38%)
FIRST INCIDENCE	102 (T)	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.315N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.315N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.315N
COCH-ARM / FISHERS	P=0.242N	(e)	(e)	(e)	(e)	P=0.310N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.167N

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Eye: Retina Degeneration</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.340	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Harderian Gland Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.340	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Heart: Myocardium Inflammation Focal</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.340	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158



Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Kidney: Cortex Mineralization</b>						
<b>LESION RATES</b>						
OVERALL (a)	8/8 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/8 (100%)
POLY-3 RATE (b)	8/8.00	0/0.00	0/0.00	0/0.00	0/0.00	8/8.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	0%	100%
TERMINAL (d)	8/8 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/8 (100%)
FIRST INCIDENCE	102 (T)	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Kidney: Renal Tubule Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Liver</b>						
<b>Hepatodiaphragmatic Nodule</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	1/1 (100%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	1/1.00	0/2.00	0/1.00	0/1.00	0/8.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	1/1 (100%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/8 (0%)
FIRST INCIDENCE	---	102 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.429N	P=0.111	(e)	(e)	(e)	(e)
POLY 1.5	P=0.429N	P=0.111	(e)	(e)	(e)	(e)
POLY 6	P=0.429N	P=0.111	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.429N	P=0.111	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)	(e)	(e)	(e)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Liver</b>						
<b>Infiltration Cellular Lymphocyte</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/8 (0%)
POLY-3 RATE (b)	1/8.00	0/1.00	0/2.00	0/1.00	0/1.00	0/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%	0%
TERMINAL (d)	1/8 (13%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/8 (0%)
FIRST INCIDENCE	102 (T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.407N	P=0.878N	P=0.763N	P=0.878N	P=0.878N	P=0.500N
POLY 1.5	P=0.407N	P=0.878N	P=0.763N	P=0.878N	P=0.878N	P=0.500N
POLY 6	P=0.407N	P=0.878N	P=0.763N	P=0.878N	P=0.878N	P=0.500N
COCH-ARM / FISHERS	P=0.394N	P=0.889N	P=0.800N	P=0.889N	P=0.889N	P=0.500N
MAX-ISO-POLY-3	P=0.149N	P=0.399N	P=0.350N	P=0.399N	P=0.399N	P=0.158N

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)**  
**TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Liver</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/2.00	0/1.00	0/1.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.293	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	P=0.293	(e)	(e)	(e)	(e)	P=0.500
POLY 6	P=0.293	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.268	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.149	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Liver</b>						
<b>Necrosis Focal</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/2.00	0/1.00	0/1.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Liver</b>						
<b>Tension Lipidosis</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/2.00	0/1.00	0/1.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Liver</b>						
<b>Vacuolization Cytoplasmic</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	2/8 (25%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/2.00	0/1.00	0/1.00	2/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	25%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)	0/1 (0%)	2/8 (25%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.100	(e)	(e)	(e)	(e)	P=0.223
POLY 1.5	P=0.100	(e)	(e)	(e)	(e)	P=0.223
POLY 6	P=0.100	(e)	(e)	(e)	(e)	P=0.223
COCH-ARM / FISHERS	P=0.084	(e)	(e)	(e)	(e)	P=0.233
MAX-ISO-POLY-3	P=0.056	(e)	(e)	(e)	(e)	P=0.063



Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Liver: Left Lateral Lobe Developmental Malformation</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	0/1 (0%)	2/2 (100%)	1/1 (100%)	1/1 (100%)	0/8 (0%)
POLY-3 RATE (b)	1/8.00	0/1.00	2/2.00	1/1.00	1/1.00	0/8.00
POLY-3 PERCENT (g)	12.5%	0%	100%	100%	100%	0%
TERMINAL (d)	1/8 (13%)	0/1 (0%)	2/2 (100%)	1/1 (100%)	1/1 (100%)	0/8 (0%)
FIRST INCIDENCE	102 (T)	---	102 (T)	102 (T)	102 (T)	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.025N*	P=0.878N	P=0.016*	P=0.202	P=0.202	P=0.500N
POLY 1.5	P=0.025N*	P=0.878N	P=0.016*	P=0.202	P=0.202	P=0.500N
POLY 6	P=0.025N*	P=0.878N	P=0.016*	P=0.202	P=0.202	P=0.500N
COCH-ARM / FISHERS	P=0.133N	P=0.889N	P=0.067	P=0.222	P=0.222	P=0.500N
MAX-ISO-POLY-3	P<0.001N**	P=0.399N	P=0.004**	P=0.040*	P=0.040*	P=0.158N

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Lung: Alveolus Hemorrhage</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	2/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	25%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.223
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.223
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.223
COCH-ARM / FISHERS	P=0.145	(e)	(e)	(e)	(e)	P=0.233
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.063

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Lung: Alveolus Inflammation Focal</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Mesentery: Fat Necrosis</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/0 (0%)	1/1 (100%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	1/1.00	0/0.00	1/1.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	0%	100%	0%	0%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	102 (T)	---	102 (T)	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
Ovary Cyst						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	3/8 (38%)
POLY-3 RATE (b)	0/8.00	1/1.00	0/0.00	0/0.00	1/1.00	3/8.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	100%	37.5%
TERMINAL (d)	0/8 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	3/8 (38%)
FIRST INCIDENCE	---	102 (T)	---	---	102 (T)	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	P=0.111	(e)	(e)	P=0.111	P=0.086
POLY 1.5	(e)	P=0.111	(e)	(e)	P=0.111	P=0.086
POLY 6	(e)	P=0.111	(e)	(e)	P=0.111	P=0.086
COCH-ARM / FISHERS	P=0.193	P=0.111	(e)	(e)	P=0.111	P=0.100
MAX-ISO-POLY-3	(e)	P<0.001**	(e)	(e)	P<0.001**	P=0.020*

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Peripheral Nerve: Axon Degeneration</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	2/8.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	25%	100%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)	8/8 (100%)
FIRST INCIDENCE	---	---	---	---	102 (T)	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	P=0.223	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.223	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P=0.223	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.233	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.063	(e)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Peripheral Nerve: Schwann Cell Degeneration</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	2/8.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	25%	100%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/8 (25%)	8/8 (100%)
FIRST INCIDENCE	---	---	---	---	102 (T)	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	P=0.223	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.223	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P=0.223	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.233	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.063	(e)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Pituitary Gland: Pars Distalis Cyst</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)



Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Skeletal Muscle Atrophy</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	7/8 (88%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/8.00	7/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	87.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	7/8 (88%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Spinal Cord, Lumbar: Axon Degeneration</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.340	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
 Time Report Requested: 07:57:14  
 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Spleen Pigmentation</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
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 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Thymus Hemorrhage</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
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)

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
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 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Urinary Bladder Dilatation</b>						
<b>LESION RATES</b>						
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/7 (43%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/0.00	3/7.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	42.9%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/7 (43%)
FIRST INCIDENCE	---	---	---	---	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.058
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.058
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.058
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	(e)	(e)	P=0.077
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.013*

Experiment Number: 20313 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F 344/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/22/2016  
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 First Dose M/F: 08/09/04 / 08/09/04  
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/NCTR)  
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females					
	Control Feed F	7.4 PPM Acryl F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F
<b>Uterus Dilatation</b>						
<b>LESION RATES</b>						
OVERALL (a)	1/8 (13%)	1/2 (50%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	2/8 (25%)
POLY-3 RATE (b)	1/8.00	1/2.00	0/0.00	1/1.00	0/0.00	2/8.00
POLY-3 PERCENT (g)	12.5%	50%	0%	100%	0%	25%
TERMINAL (d)	1/8 (13%)	1/2 (50%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	2/8 (25%)
FIRST INCIDENCE	102 (T)	102 (T)	---	102 (T)	---	102 (T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	P=0.424	(e)	P=0.202	(e)	P=0.500
POLY 1.5	(e)	P=0.424	(e)	P=0.202	(e)	P=0.500
POLY 6	(e)	P=0.424	(e)	P=0.202	(e)	P=0.500
COCH-ARM / FISHERS	P=0.602	P=0.378	(e)	P=0.222	(e)	P=0.500
MAX-ISO-POLY-3	(e)	P=0.183	(e)	P=0.040*	(e)	P=0.272

**Experiment Number:** 20313 - 03  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** RATS/F 344/NCTR

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 09/22/2016  
**Time Report Requested:** 07:57:14  
**First Dose M/F:** 08/09/04 / 08/09/04  
**Lab:** NCTR

## **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 \*\*\*