**Test Type:** 14-DAY **Route:** GAVAGE

Species/Strain: Rat/F 344/N

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

C Number: C88148

**Lock Date:** 01/19/1994

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**CAS Number:** 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 0 MG/KG	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 3	0 0 0 0 4	0 0 0 0 5	*TOTALS
Alimentary System							
Liver		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5

Stomach, Glandular **Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Lymph Node, Mesenteric Spleen 5 Thymus 5

**Integumentary System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

	DAY ON TEST	0	0	l
F 344/N Rat Male	DAY ON TEST	0	0	l
1 344/14 Ital Iviale		1	1	ı
0 MG/KG		7	7	L
	ANIMAL ID	0	0	Ī
	ANIIVIAL ID	0	0	ı

0 0 0 *1 7 1 7* 0 0 0 0 0 5 Õ 0 0 0 3 0 0 2 0 0 1 0 Ō

\*TOTALS

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

Kidney Inflammation, Focal 1 1.0 Renal Tubule, Accumulation, Hyaline Droplet 1 1.0

M .. Missing tissue

X .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

A .. Autolysis precludes evaluation

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**CAS Number:** 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

F 344/	'N	Rat	Male
12.5	N	IG/K	G

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	7	7	7	7	7	
ANIIMAL ID	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	1	
	6	7	8	9	0	

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Spleen + + + + +

Hematopoietic Cell Proliferation 1 1 1 1 4 1.0

Integumentary System

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 14047-09-7

Lab: MBA

Date Report Requested: 10/20/2014

Time Report Requested: 07:45:17

First Dose M/F: NA / NA

F 344/	N R	at M	lale
12.5	MG	/KG	i

DAY ON TEST	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
	0	0	0	0	0
ANIMAL ID	ŏ	ŏ	ő	ŏ	ő
	0	0	0	0	0
	0	0	0	0	1
	6	7	8	9	0

\*TOTALS

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

Kidney

2 1.0 Nephropathy, Chronic

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 32 MG/KG

						,
DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	7	7	7	7	7	
V VIIIVAVI ID	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	1	2	3	4	5	

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Spleen + + + + +

Hematopoietic Cell Proliferation 1 1 2 1 1 5 1.2

Integumentary System

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

F 344/N Rat Male

Test Type: 14-DAY

Route: GAVAGE

**32 MG/KG** 

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

Date Report Requested: 10/20/2014

Time Report Requested: 07:45:17

DAY ON TEST 0 0 0 0 0 0 *1 7 1 7 1 7* 0 0 0 0 0 0 0 1 2 ANIMAL ID Õ 0 0 0 0

\*TOTALS

1 5

1

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

Kidney

Nephropathy, Chronic 1 1.0

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**CAS Number:** 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Time Report Requested: 07:45:17

Date Report Requested: 10/20/2014

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 80 MG/KG

DAY ON TEST	0	0	0	0	0
	<i>1 7</i>				
ANIMAL ID	0 0 0	0 0 0	0 0	0 0 0	0 0 0
	1 6	7	1 8	1 9	2

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Spleen + + + + + +

Hematopoietic Cell Proliferation 2 1 2 1 2 5 1.6

Integumentary System

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**CAS Number:** 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344/N Rat Male 80 MG/KG

DAY ON TEST	0	0	0	0	0	
	<i>1 7</i>	<i>1 7</i>	<i>1 7</i>	<i>1 7</i>	1 7	
ANIMAL ID	0 0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	2	
	6	7	8	9	0	

\*TOTALS

NONE

## **Respiratory System**

NONE

## **Special Senses System**

NONE

## **Urinary System**

Kidney	+	+	+	+	+	5		
Nephropathy, Chronic	1	1			1		3	1.0
Renal Tubule, Accumulation, Hyaline Droplet			1		1		2	1.0

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/20/2014

Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### **Experiment Number: 88148-01** P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

0

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

Route: GAVAGE CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

	DAY ON TEST	0	0	0
F 344/N Rat Male	DAY ON TEST	0	0	0
r 344/N Kat Wale		1	1	1
200 MG/KG		7	7	7
	ANIMAL ID	0	0	0
	ANIMAL ID	0	0	l n

0 0 0 0 *1 7 1 7* 1 7 0 0 0 0 0 2 5 Õ 0 0 2 3 0 2 2 0 2 1 0 2 4

\*TOTALS

**Alimentary System** 

Liver 2 1 2.0 Hepatodiaphragmatic Nodule

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Spleen

Hematopoietic Cell Proliferation 5 2.0

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

MG/KG

F 344/N Rat Male

Test Type: 14-DAY

Route: GAVAGE

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

Date Report Requested: 10/20/2014

Time Report Requested: 07:45:17

DAY ON TEST	0	0	0	0
	0	0	0	0
	1	1	1	1
	7	7	7	7
ANIMAL ID	0	0	0	0
	0	0	0	0
	0	0	0	0
	2	2	2	2
	1	2	3	4

\*TOTALS

0 0

*1 7* 

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

Kidney	+	+	+	+	+	5		
Nephropathy, Chronic		1		1	1		3	1.0
Renal Tubule, Accumulation, Hyaline Droplet				1			1	1.0

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

## Experiment Number: 88148-01 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

	DAY ON TEST	0	0	0	0	0	
F 344/N Rat Male 500 MG/KG		0 1 7	0 1 7	0 1 7	0 1 7	0 1 7	
	ANIMAL ID	0 0 0 2	0 0 0 2	0 0 0 2	0 0 0 2	0 0 0 3	
		6	7	8	9	0	*TOTALS
Alimentary System							

 Liver
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 +
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## **Cardiovascular System**

NONE

## **Endocrine System**

NONE

# **General Body System**

NONE

## **Genital System**

NONE

# **Hematopoietic System**

Lymph Node, Mesenteric	+	+	+	+	+	5		
Spleen	+	+	+	+	+	5		
Hematopoietic Cell Proliferation	2	2	2	2	2		5	2.0
Thymus	+	+	+	+	+	5		
Hemorrhage				1	1		2	1.0

#### **Integumentary System**

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344/N Rat Male MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
V VIIIVAVI ID	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	3
	6	7	8	9	0

\*TOTALS

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

Kidney Nephropathy, Chronic

Renal Tubule, Accumulation, Hyaline Droplet 2 2 1 2 1 5 1.6

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

4 1.0

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

Date Report Requested: 10/20/2014

Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

4) Marked 2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

# Experiment Number: 88148-01 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**CAS Number:** 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 0 MG/KG	DAY ON TEST  ANIMAL ID	0 0 1 7 0 0 0 0 3 1	0 0 1 7 0 0 0 3 2	0 0 1 7 0 0 0 3 3	0 0 1 7 0 0 0 0 3 4	0 0 1 7 0 0 0 3 5	*TOTALS
Alimentary System							
Liver		+	+	+	+	+	5

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

 Lymph Node, Mesenteric
 +
 +
 +
 +
 +
 5

 Spleen
 +
 +
 +
 +
 +
 +
 5

 Thymus
 +
 +
 +
 +
 +
 +
 5

 Hemorrhage
 1

**Integumentary System** 

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1 1.0

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**CAS Number:** 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

F	344/N	Rat	Female
0	MG/KC	3	

DAY ON TEST	0	0	0	0	0	
	1	1	1	1	1	
	7	7	7	7	7	
ANIMAL ID	0	0	0	0	0	l
AINIIVIAL ID	0	0	0	0	0	l
	0	0	0	0	0	l
	3	3	3	3	3	l
	1	2	3	4	5	l

\*TOTALS

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

Kidney Mineralization 2 1.5 Nephropathy, Chronic 4 1.0 1 1 1

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1) Minimal 3) Moderate

1-4 ..Lesion qualified as:

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### **Experiment Number: 88148-01** P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: GAVAGE CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

F 344/N Rat Female

Test Type: 14-DAY

DAY ON TEST 0 0 0 0 0 *1 7 1 7 1 7* 0 0

0 *1 7* 0 0 0 0 0 3 7 ANIMAL ID Õ 0 0 3 6 0 0 0 3 3 4

\*TOTALS

**Alimentary System** 

12.5 MG/KG

Liver

Hepatodiaphragmatic Nodule 1 1.0

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Spleen

Hematopoietic Cell Proliferation 1 1.0

**Integumentary System** 

NONE

Musculoskeletal System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 14047-09-7

Lab: MBA

Date Report Requested: 10/20/2014

Time Report Requested: 07:45:17

First Dose M/F: NA / NA

F 344/	N Rat Female
12.5	MG/KG

DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
ANIMAL ID	0 0 0 3 6	0 0 0 3 7	0 0 0 3 8	0 0 0 3 9	0 0 0 4 0	•

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 32 MG/KG

DAY ON TEST	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	4
	1	4	3	4	5

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Spleen + + + + + 5

Hematopoietic Cell Proliferation 1 1 1 1 4 1.0

Integumentary System

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**CAS Number:** 14047-09-7

Species/Strain: Rat/F 344/N

F 344/N Rat Female

Test Type: 14-DAY

Route: GAVAGE

**32 MG/KG** 

First Dose M/F: NA / NA

Lab: MBA

Date Report Requested: 10/20/2014

Time Report Requested: 07:45:17

DAY ON TEST  $\begin{bmatrix} \theta & \theta & \theta & \theta \\ \theta & \theta & \theta & \theta \end{bmatrix}$ 

0 *1 7 1 7 1 7* 0 0 0 0 0 0 4 2 ANIMAL ID Õ 0 0 4 1 0 0 4 5 4

\*TOTALS

0

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**CAS Number:** 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:17

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 80 MG/KG

DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
ANIMAL ID	0 0 0 4 6	0 0 0 4 7	0 0 0 4 8	0 0 0 4 9	0 0 0 5 0	

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Spleen + + + + +

Hematopoietic Cell Proliferation 1 1 1 1 1 5 1.0

Integumentary System

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 14047-09-7

Lab: MBA

Date Report Requested: 10/20/2014

Time Report Requested: 07:45:18

First Dose M/F: NA / NA

F3	344/N	Rat	Female
80	MG/k	(G	

DAY ON TEST	0 0 1	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1
ANIMAL ID	0	0	0	0	0
	0 4	0 4	0 4	0 4	0 5
	6	7	8	9	0

\*TOTALS

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### Experiment Number: 88148-01 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

0 0

1 1 7 7

0 0

0

5 | 5 3 | 4 0

0 0

0 5 5 Test Compound: 3,3',4,4'-Tetrachloroazobenzene

Route: GAVAGE CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

F 344/N Rat Female

MG/KG

Test Type: 14-DAY

\*TOTALS

**Alimentary System** 

Liver + 1

Hepatodiaphragmatic Nodule 2 1 2.0

**Cardiovascular System** 

NONE

200

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Spleen + + + + + +

Hematopoietic Cell Proliferation 1 1 1 1 1 5 1.0

**Integumentary System** 

NONE

Musculoskeletal System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:18

First Dose M/F: NA / NA

Lab: MBA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

D

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/20/2014 Time Report Requested: 07:45:18

First Dose M/F: NA / NA

Lab: MBA

F 344/	N Rat Female
200	MG/KG

		ı —	ı —	ı —	ı —
AY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIIMAL ID	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	5	5 2	5 3	5	5
	1	2	3	4	5

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

#### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**CAS Number:** 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

**Experiment Number: 88148-01** 

F 344/N Rat Female 500 MG/KG	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
	ANIMAL ID	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	

\*TOTALS

#### **Alimentary System**

Liver	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

## **Cardiovascular System**

NONE

## **Endocrine System**

NONE

#### **General Body System**

NONE

#### **Genital System**

Ovary		+				1		
Cyst		2					1	2.0
Hematopoietic System								
Lymph Node, Mesenteric	+	+	+	+	+	5		
Spleen	+	+	+	+	+	5		
Hematopoietic Cell Proliferation	1	1	1	1	1		5	1.0
Thymus	+	+	+	+	+	5		
Thymocyte, Atrophy	1						1	1.0

M .. Missing tissue

A .. Autolysis precludes evaluation

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BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/20/2014

Time Report Requested: 07:45:18

First Dose M/F: NA / NA

Lab: MBA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: 14047-09-7

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

**Date Report Requested:** 10/20/2014 **Time Report Requested:** 07:45:18

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 500 MG/KG

DAY ON TEST	0	0	0	0	0	
	1	1	1	1	1	
ANIIMAL ID	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	5	5	5	5	6	l
	6	7	8	9	0	

\*TOTALS

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

 Kidney
 + + + + + + 5

 Mineralization
 1
 1
 2
 1.0

 Nephropathy, Chronic
 1
 1
 1
 3
 1.0

\*\* END OF REPORT \*\*

M ..Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically