Experiment Number: 93023-01 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 2,4-Hexadienal CAS Number: 142-83-6 Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

C Number:	C93023
Lock Date:	03/01/1996
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Test Type: 14-DAY

Route: GAVAGE Species/Strain: Rat/F 344/N P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 0.0 MG/KG		1 7	1 7	1 7	1 7	1 7	
	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 4	0 0 0 0 5	*TOTALS
Alimentary System			_				
Liver Stomach, Forestomach Cardiovascular System		+ +	+ +	+ +	+ +	+ +	5 5
NONE Endocrine System							
NONE General Body System							
NONE Genital System							
NONE Hematopoietic System							
NONE Integumentary System							
NONE Musculoskeletal System							
NONE Nervous System							

+ ...Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 0.0 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0	0 0 1 7 0 0 0	0 0 1 7 0 0 0	0 0 1 7 0 0 0	0 0 1 7 0 0 0	
		0 1	0 2	0 3	0 4	0 5	*TOTALS
NONE Respiratory System							
NONE Special Senses System							
NONE Urinary System							
Kidney		+	+	+	+	+	5

1

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

Renal Tubule, Degeneration, Focal

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

1 1.0

Experiment Number: 93023-0 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N	1		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: 2,4-Hexadienal CAS Number: 142-83-6	Date Report Requested: 10/16/201 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA				
	DAY ON TEST							
F 344/N Rat Male								
3.0 MG/KG								
	ANIMAL ID							
Alimentem Custom		*TOTALS						
Alimentary System								
NONE Cardiovascular System								
NONE Endocrine System								
NONE General Body System								
NONE Genital System								
NONE Hematopoietic System								
NONE Integumentary System								
NONE Musculoskeletal System								
NONE Nervous System								
NONE								

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically

Experiment Number: 93023-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Compound: 2,4-Hexadienal CAS Number: 142-83-6 Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

F 344/N	Rat	Male

## 3.0 MG/KG

ANIMAL ID

DAY ON TEST

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 93023-01 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N			P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: 2,4-Hexadienal CAS Number: 142-83-6	Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA
	DAY ON TEST			
F 344/N Rat Male				
9.0 MG/KG				
	ANIMAL ID	*TOTALS		
Alimentary System		TOTALO	<u></u>	
NONE Cardiovascular System				
NONE Endocrine System				
NONE General Body System				
NONE Genital System				
NONE Hematopoietic System				
NONE Integumentary System				
NONE Musculoskeletal System				
NONE Nervous System				
NONE				

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically

Experiment Number: 93023-01
Fest Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Compound: 2,4-Hexadienal CAS Number: 142-83-6 Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

F 344	I/N Rat Male	
9.0	MG/KG	

ANIMAL ID

DAY ON TEST

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 27.0 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 1 6	0 0 0 1 7	0 0 0 1 8	0 0 0 1 9	0 0 0 2 0	*TOTALS
Alimentary System							
Stomach, Forestomach Cardiovascular System		+	+	+	+	+	5
NONE Endocrine System							
NONE General Body System							
NONE Genital System							
NONE Hematopoietic System							
NONE Integumentary System							
NONE Musculoskeletal System							
NONE Nervous System							
NONE							

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically

# Route: GAVAGE

Species/Strain: Rat/F 344/N

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

**Respiratory System** 

NONE

**Special Senses System** 

NONE

## **Urinary System**

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically 1-4 ..Lesion qualified as:1) Minimal 3) Moderate2) Mild 4) Marked

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male 80.0 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 2 1	0 0 0 2 2	0 0 0 2 3	0 0 0 2 4	0 0 0 2 5	*T(	ΟΤΑ	LS
Alimentary System									
Liver		+	+	+	+	+	5		
Stomach, Forestomach		+	+	+	+	+	5		
Epithelium, Hyperplasia, I		2	3	2	3			5	2.4
Inflammation, Chronic Act			4			1		1	1.0
Ulcer, Chronic Active, Foc Cardiovascular System	a	4	4		4			3	4.0
NONE									
Endocrine System									
NONE									
General Body System									
NONE									
Genital System									
NONE									
Hematopoietic System									
NONE									
Integumentary System									
NONE									

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Route: GAVAGE

Species/Strain: Rat/F 344/N

#### DAY ON TEST 0 0 0 0 0 0 0 0 0 0 F 344/N Rat Male 1 7 1 7 1 7 1 7 1 7 80.0 MG/KG 0 0 0 0 0 0 2 1 0 0 0 2 2 ANIMAL ID 0 0 2 5 0 0 0 0 2 3 2 **\*TOTALS** 4

**Musculoskeletal System** 

NONE

Nervous System

NONE

**Respiratory System** 

NONE Special Senses System

NONE

Urinary System

Kidney

+ + + + + 5

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+  $\hfill ... Tissue examined microscopically$ 

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically 1-4 ..Lesion qualified as:1) Minimal 3) Moderate2) Mild 4) Marked

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

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

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:01 First Dose M/F: NA / NA Lab: MBA

Species/Strain: Rat/F 344/N									
F 344/N Rat Male	DAY ON TEST	0 0 1 7	0 0 0 3	0 0 0 5	0 0 1 7	0 0 0			
240.0 MG/KG	ANIMAL ID	7 0 0 2 6	0 0 0 2 7	3 0 0 2 8	7 0 0 2 9	2 0 0 0 3 0	*TC	ЭΤΑ	LS
Alimentary System									
Liver Inflammation, Chronic Active	Focal	+	+	+	+ 4	+	5	1	4.0
Necrosis, Focal	,			2	•			1	2.0
Stomach, Forestomach		+	+	+	+	+	5		
Epithelium, Hyperplasia, Foc	al	3						1	3.0
Inflammation, Acute, Focal		4						1	4.0
Necrosis, Diffuse			4	4		4		3	4.0
Ulcer, Chronic Active, Focal		4			4			2	4.0
Stomach, Glandular						+	1		
Necrosis, Diffuse						2		1	2.0
Cardiovascular System									
NONE Endocrine System									
NONE General Body System									
NONE Genital System									
NONE									

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

Experiment Number: 93023-01

Test Type: 14-DAY

Route: GAVAGE

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Male	DAY ON TEST	0 0	0 0	0 0	00	0 0			
240.0 MG/KG	ANIMAL ID	1 7 0 0 0 2 6	0 3 0 0 0 2 7	0 5 0 0 2 8	1 7 0 0 0 2 9	0 2 0 0 0 3 0	*TC	ΟΤΑ	LS
Hematopoietic System									
Spleen Inflammation, Chronic Act Inflammation, Chronic Act Integumentary System		+ 4			+ 2		2	1 1	4.0 2.0
NONE Musculoskeletal System									
NONE Nervous System									
NONE Respiratory System									
NONE Special Senses System									
NONE Urinary System									
Kidney		+	А	+	+	+	4		

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.0 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 3 2	0 0 3 3	0 0 0 3 4	0 0 3 5	*TOTALS		
Alimentary System									
Liver		+	+	+	+	+	5		
Hepatodiaphragmatic Nodu	le		Х				_	1	
Stomach, Forestomach Cardiovascular System		+	+	+	+	+	5		
NONE									
Endocrine System									
NONE General Body System									
NONE Genital System									
NONE Hematopoietic System									
NONE Integumentary System									
NONE Musculoskeletal System									
NONE									

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 0.0 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 3 1	0 0 1 7 0 0 0 3 2	0 0 1 7 0 0 0 3 3 3	0 0 1 7 0 0 0 3 4	0 0 1 7 0 0 0 3 5	*TOTALS
Nervous System							
Respiratory System NONE Special Senses System							
NONE <b>Urinary System</b> Kidney		+	+	+	+	+	5

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 93023-0	1	P09:	NON-NEOPLASTIC LESIONS BY II	NDIVIDUAL ANIMAL	Date Report Requested: 10/16/2014
Test Type: 14-DAY			Test Compound: 2,4-Hexa	adienal	Time Report Requested: 00:58:02
Route: GAVAGE			CAS Number: 142-83-	-6	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N					Lab: MBA
	DAY ON TEST				
F 344/N Rat Female					
3.0 MG/KG					
	ANIMAL ID				
		*TOTALS			
Alimentary System					
NONE					
Cardiovascular System					
NONE					
Endocrine System					
NONE					
General Body System					
NONE					
Genital System					
NONE					
Hematopoietic System					
NONE					
Integumentary System					
NONE					
Musculoskeletal System					
NONE					
Nervous System					
NONE					

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 93023-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Compound: 2,4-Hexadienal CAS Number: 142-83-6 Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

DAY	ON T	EST
-----	------	-----

## F 344/N Rat Female 3.0 MG/KG

ANIMAL ID

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 93023-01		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/16/2014
Test Type: 14-DAY		Test Compound: 2,4-Hexadienal	Time Report Requested: 00:58:02
Route: GAVAGE		CAS Number: 142-83-6	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N			Lab: MBA
DAY C	ON TEST		
F 344/N Rat Female			
9.0 MG/KG			
AN	IIMAL ID		
	*TOT	ALS	
Alimentary System			
NONE			
Cardiovascular System			
NONE			
Endocrine System			
NONE			
General Body System			
NONE			
Genital System			
NONE			
Hematopoietic System			
NONE			
Integumentary System			
NONE			
Musculoskeletal System			
NONE			
Nervous System			
NONE			

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Experiment Number: 93023-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Compound: 2,4-Hexadienal CAS Number: 142-83-6 Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

DAY	ON	TEST
-----	----	------

# F 344/N Rat Female 9.0 MG/KG

ANIMAL ID

**\*TOTALS** 

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 27.0 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 4 6	0 0 0 4 7	0 0 0 4 8	0 0 0 4 9	0 0 0 5 0	*ТС	ΟΤΑ	LS
Alimentary System				-	-	-			
Stomach, Forestomach Cardiovascular System		+	+	+	+	+	5		
NONE Endocrine System									
NONE General Body System									
NONE Genital System									
Uterus Hydrometra <b>Hematopoietic System</b>					+ 3		1	1	3.0
NONE Integumentary System									
NONE Musculoskeletal System									
NONE Nervous System									

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Route: GAVAGE

Species/Strain: Rat/F 344/N

#### DAY ON TEST 0 0 0 0 0 0 0 0 0 0 F 344/N Rat Female 1 7 1 7 1 7 1 7 1 7 27.0 MG/KG 0 0 0 0 0 0 0 0 4 7 ANIMAL ID Õ 0 0 0 5 0 0 4 6 0 0 4 8 4 9 **\*TOTALS**

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

\* ...Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+  $\hfill ... Tissue examined microscopically$ 

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically 1-4 ..Lesion qualified as:1) Minimal 3) Moderate2) Mild 4) Marked

Page 21

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

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

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 80.0 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 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	*T(	ΟΤΑ	LS
Alimentary System									
Liver		+	+	+	+	+	5		
Stomach, Forestomach		+	+		+	+	5		
Epithelium, Hyperplasia, D		3		2		1		3	2.0
Inflammation, Chronic Acti Ulcer, Chronic Active, Foca		2		3				1 1	2.0 3.0
Cardiovascular System	21			3				1	3.0
NONE Endocrine System									
NONE General Body System									
NONE Genital System									
NONE Hematopoietic System									
NONE Integumentary System									
NONE									

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

Route: GAVAGE

Species/Strain: Rat/F 344/N

0 1	1	0	0		1
7	7	1 7	1 7	0 1 7	
0 0 0	0	0 0 0	0 0 0	0 0 0	
5	-	5 3	5 4	5 5	*TOTALS
5	5		5	5 5	5 5 5

Musculoskeletal System

NONE

Nervous System

NONE

**Respiratory System** 

NONE Special Senses System

NONE

Urinary System

Kidney

+ + + + 5

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically 1-4 ..Lesion qualified as:1) Minimal 3) Moderate2) Mild 4) Marked

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Experiment Number: 93023-01 Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

DAY ON TES F 344/N Rat Female	01	0 0 0	0 0 1	0 0 0	0 0 1			
240.0 MG/KG ANIMAL II	7 0 0 0 5 6	5 0 0 0 5 7	0 0 0 5 8	3 0 0 0 5 9	7 0 0 0 6 0	*T(	ΟΤΑ	LS
Alimentary System							• • •	
Liver Inflammation, Chronic Active	+	+	+ 3	+	+	5	1	3.0
Serosa, Inflammation, Chronic Active, Focal Stomach, Forestomach Epithelium, Hyperplasia, Focal	+	+	+	+	2 + 3	5	1	2.0 3.0
Inflammation, Acute, Focal Necrosis, Diffuse	4	4	4	4	4		1 3	4.0 4.0
Ulcer, Chronic Active, Focal Cardiovascular System	4				4		2	4.0
NONE Endocrine System								
NONE General Body System								
Peritoneum Inflammation, Chronic Active Genital System			+ 3			1	1	3.0
NONE Hematopoietic System								

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/16/2014 Time Report Requested: 00:58:02 First Dose M/F: NA / NA Lab: MBA

F 344/N Rat Female 240.0 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 5 6	0 0 5 0 0 0 5 7	0 0 1 0 0 0 5 8	0 0 3 0 0 0 5 9	0 0 1 7 0 0 0 6 0	*TOTALS
Spleen		+		+		+	3
Inflammation, Chronic Acti	ve			3			1 3.0
Inflammation, Chronic Acti	ve, Focal					3	1 3.0
Necrosis, Focal		3					1 3.0
Integumentary System							
NONE Musculoskeletal System							
wusculoskeletai System							
NONE Nervous System							
-							
NONE Respiratory System							
NONE							
Special Senses System							
NONE							
Urinary System							
Kidney		+	+	A	М	+	3 ** END OF REPORT **

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically