

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/24/2008

Time Report Requested: 13:37:02

First Dose M/F: NA / 03/26/04

Lab: BAT

14 Wk_SSAC_R8

C Number: C20304

Lock Date: 10/12/2006

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25017 SSAC

Removal Date Range: 30-Jun-2004 - 30-Jun-2004

Treatment Groups: Include 001 0 UG/KG

Include 002 10 UG/KG

Include 003 30 UG/KG

Include 004 100 UG/KG

Include 005 220 UG/KG

Include 006 460 UG/KG

Include 007 1000 UG/KG

Include 008 4600 UG/KG

Study Gender: Female

TDMSE Version: 2.0.0

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7
<hr/>										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	2	2	2	2	2	3	3	3	3	3
0 UG/KG	1	2	3	4	5	1	2	3	4	5
										* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10	
Inflammation	1	1	1	1	1	1	1	1	1			9 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular Erosion	+	+	+	+	+	+	+	+	+	+	10	1 2.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicular Cell, Hypertrophy					1							1 1.0

* .. 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

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Page 2

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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0		0	0	0	0	0	0	0	0	0	0
9		9	9	9	9	9	9	9	9	9	9
7		7	7	7	7	7	7	7	7	7	7
.....											
SPRAGUE-DAWLEY RATS		0	0	0	0	0	0	0	0	0	0
FEMALE		0	0	0	0	0	0	0	0	0	0
0 UG/KG		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		2	2	2	2	2	3	3	3	3	3
1		2	3	4	5	1	2	3	4	5	
											* TOTALS

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation	1	1	1	1	1	1	1	1	1	1	6 1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1	10 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
---------------	---	---	---	---	---	---	---	---	---	---	-----------

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7

**SPRAGUE-DAWLEY RATS
 FEMALE**

0 UG/KG

ANIMAL ID

0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	3	3	3	3	3	3
1	2	3	4	5	1	2	3	4	5	

*** TOTALS**

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung

+	+	+	+	+	+	+	+	+	+	+
---	---	---	---	---	---	---	---	---	---	---

10

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	1	1	1	1	2
10 UG/KG	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10	
Inflammation	1	1	1	1	1	1	1	1	1	1		10 1.0
.....												
Pancreas	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Hypertrophy	1					1						2 1.0
.....												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
.....												
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
10 UG/KG	0	0	0	0	0	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Uterus + + + + + + + + + + **10**

HEMATOPOIETIC SYSTEM

Thymus + + + + + + + + + + **10**

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + + + **10**

Inflammation 1 **1 1.0**

Alveolus, Infiltration Cellular, Histiocyte 1 **1 1.0**

Serosa, Inflammation, Chronic Active 3 **1 3.0**

SPECIAL SENSES SYSTEM

NONE

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0		0	0	0	0	0	0	0	0	0	0
9		9	9	9	9	9	9	9	9	9	9
7		7	7	7	7	7	7	7	7	7	7
.....											
SPRAGUE-DAWLEY RATS		0	0	0	0	0	0	0	0	0	0
FEMALE		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		1	1	1	1	1	1	1	1	1	1
10 UG/KG		0	0	0	0	0	1	1	1	1	2
		1	2	3	4	5	6	7	8	9	0
											* TOTALS

URINARY SYSTEM
 NONE

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	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
ANIMAL ID	1	1	1	1	1	2	2	2	2	2	
30 UG/KG	1	2	3	4	5	1	2	3	4	5	* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Inflammation	1	1	1	1	1	1	1	1	1	1	10 1.0
Hepatocyte, Hypertrophy							1				1 1.0
.....											
Pancreas	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Follicular Cell, Hypertrophy				2							1 2.0

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	7	
.....												
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	
ANIMAL ID	1	1	1	1	1	2	2	2	2	2	2	
30 UG/KG	1	2	3	4	5	1	2	3	4	5		* TOTALS
.....												
Uterus	+	+	+	+	+	+	+	+	+	+	+	10
.....												
HEMATOPOIETIC SYSTEM												
.....												
Thymus	+	+	+	+	+	+	+	+	+	+	+	10
.....												
INTEGUMENTARY SYSTEM												
NONE												
.....												
MUSCULOSKELETAL SYSTEM												
NONE												
.....												
NERVOUS SYSTEM												
NONE												
.....												
RESPIRATORY SYSTEM												
.....												
Lung	+	+	+	+	+	+	+	+	+	+	+	10
.....												
SPECIAL SENSES SYSTEM												
NONE												
.....												

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7

**SPRAGUE-DAWLEY RATS
 FEMALE**

ANIMAL ID

30 UG/KG

0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	2	2	2	2	2	2
1	1	1	1	1	2	2	2	2	2	2
1	2	3	4	5	1	2	3	4	5	

*** TOTALS**

URINARY SYSTEM

NONE

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	3	3	3	3	3	4	4	4	4	4
100 UG/KG	1	2	3	4	5	1	2	3	4	5
										* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule						X		X			2
Inflammation	1	1	1	1	1	1	1	1	1	1	10 1.0
Hepatocyte, Hypertrophy								1			1 1.0
.....											
Pancreas	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	3	3	3	3	3	4	4	4	4	4
100 UG/KG	1	2	3	4	5	1	2	3	4	5
										* TOTALS

Uterus	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

HEMATOPOIETIC SYSTEM

Thymus	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage			3								1 3.0
Alveolus, Infiltration Cellular, Histiocyte				1							1 1.0

SPECIAL SENSES SYSTEM

NONE

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	0	0	0	0	0	0	0	0	0	0	
DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	3	3	3	3	3	4	4	4	4	4	
100 UG/KG	1	2	3	4	5	1	2	3	4	5	* TOTALS

URINARY SYSTEM
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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7

**SPRAGUE-DAWLEY RATS
 FEMALE**

220 UG/KG

ANIMAL ID

0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
4	4	4	4	4	4	4	4	4	4	4
2	2	2	2	2	2	6	6	6	6	6
1	2	3	4	5	1	2	3	4	5	

*** TOTALS**

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10	
Inflammation	1	1	1	1	1	1	1	1	1	1		10 1.0
Hepatocyte, Hypertrophy	1	1				1	1			1		5 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Hypertrophy			1									1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicular Cell, Hypertrophy									1			1 1.0

GENERAL BODY 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

Page 14

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	4	4	4	4	4	4	4	4	4	4	
	2	2	2	2	2	6	6	6	6	6	
220 UG/KG	1	2	3	4	5	1	2	3	4	5	* TOTALS

GENITAL SYSTEM

Uterus + + + + + + + + + + **10**

HEMATOPOIETIC SYSTEM

Thymus + + + + + + + + + + **10**

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + + + **10**

SPECIAL SENSES 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) Moderate
 2) Mild 4) Marked
 Page 15

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	2	2	2	2	2	6	6	6	6	6	
220 UG/KG	1	2	3	4	5	1	2	3	4	5	* TOTALS

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) Moderate
 2) Mild 4) Marked
 Page 16

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	5	5	5	5	5	5	5	5	5	5	
	0	0	0	0	0	5	5	5	5	6	
460 UG/KG	1	2	3	4	5	6	7	8	9	0	* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Clear Cell Focus									X		1
Inflammation	2	2	1	2	1	1	1	1	1	1	10 1.3
Hepatocyte, Hypertrophy	1		1	1			1	1	1		6 1.0
.....											
Pancreas	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Follicular Cell, Hypertrophy	1	1									2 1.0

GENERAL BODY 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) Moderate
 2) Mild 4) Marked

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	5	5	5	5	5	5	5	5	5	5
460 UG/KG	0	0	0	0	0	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENITAL SYSTEM

Uterus + + + + + + + + + + 10

HEMATOPOIETIC SYSTEM

Thymus + + + + + + + + + + 10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + + + 10

SPECIAL SENSES 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) Moderate
 2) Mild 4) Marked
 Page 18

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	5	5	5	5	6	
460 UG/KG	1	2	3	4	5	6	7	8	9	0	* TOTALS

URINARY SYSTEM
 NONE

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 19

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	6	6	6	6	6	6	6	6	6	6
	1	1	1	1	1	7	7	7	7	8
1000 UG/KG	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10	
Clear Cell Focus												1
Inflammation	2	2	2	2	2	2	2	2	2	2	10	2.0
Necrosis						1			1	1	3	1.0
Pigmentation	1	1						1	1	1	5	1.0
Hepatocyte, Hypertrophy	2	2	1	1		1	1	2	2	1	9	1.4
.....												
Pancreas	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicular Cell, Hypertrophy						1		1			2	1.0

GENERAL BODY 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

Page 20

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	1	1	1	1	1	7	7	7	7	8
1000 UG/KG	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENITAL SYSTEM

Uterus + + + + + + + + + + **10**

HEMATOPOIETIC SYSTEM

Lymph Node + **1**

Thymus + + + + + + + + + + **10**

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + + + **10**

* .. 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

Page 21

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

	0	0	0	0	0	0	0	0	0	0	
DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	6	
ANIMAL ID	1	1	1	1	1	7	7	7	7	8	
1000 UG/KG	1	2	3	4	5	6	7	8	9	0	* TOTALS

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) Moderate
 2) Mild 4) Marked
 Page 22

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/24/2008

Time Report Requested: 13:37:02

First Dose M/F: NA / 03/26/04

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	7	7	7	7	7	7	7	7	7	7
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7
	1	1	1	1	2	7	7	7	7	7
4600 UG/KG	6	7	8	9	0	1	2	3	4	5
										* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10	
Eosinophilic Focus				X								1
Fatty Change, Diffuse	3	3	2	2	3	2	3	3	3	2	10	2.6
Inflammation	2	2	3	2	2	2	2	3	3	3	10	2.4
Necrosis	1	2	1	1	1	1	1		1	1	9	1.1
Pigmentation	1		1	1	1	1		1	1	1	8	1.0
Toxic Hepatopathy	1	1	1	1	1	1	1	1	1	1	10	1.0
Hepatocyte, Hypertrophy	3	3	3	3	3	3	2	3	3	3	10	2.9
Hepatocyte, Multinucleated	2	1	3	3	2	1	2	2	2	2	10	2.0
.....												
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Acinus, Vacuolization Cytoplasmic				1								1 1.0
.....												
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
.....												
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
----------------	---	---	---	---	---	---	---	---	---	---	----	--

* .. 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

Page 23

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/24/2008

Time Report Requested: 13:37:02

First Dose M/F: NA / 03/26/04

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
<hr/>											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	
	1	1	1	1	2	7	7	7	7	7	
4600 UG/KG	6	7	8	9	0	1	2	3	4	5	* TOTALS
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Follicular Cell, Hypertrophy	2			1			1	2			4 1.5

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	+	+	+	+	+	10
Pigmentation	1	1	1	1	1	1	1	1	1	1	10 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	10
Atrophy		3									1 3.0

* .. 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

Page 24

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	
	1	1	1	1	2	7	7	7	7	7	
4600 UG/KG	6	7	8	9	0	1	2	3	4	5	* TOTALS

INTEGUMENTARY SYSTEM

Mammary Gland + + + + + + + + + + 10

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + + + 10

Inflammation 1 1.0

Alveolus, Infiltration Cellular, Histiocyte 1 1.0

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) Moderate
 2) Mild 4) Marked
 Page 25

TDMS No. 20304 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

TEF evaluation (PCB 118)
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008
 Time Report Requested: 13:37:02
 First Dose M/F: NA / 03/26/04
 Lab: BAT

	0	0	0	0	0	0	0	0	0	0	
DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	7	7	7	7	7	7	7	7	7	7	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	
ANIMAL ID	1	1	1	1	2	7	7	7	7	7	
4600 UG/KG	6	7	8	9	0	1	2	3	4	5	* TOTALS

*** END OF REPORT ***

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked