Species/Strain: Rat/F 344/N

Test Type: 90-DAY

Route: GAVAGE

8

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

CAS Number: 67-47-0

Date Report Requested: 10/18/2014 Time Report Requested: 18:37:13

First Dose M/F: NA / NA

Lab: BAT

C Number: C95011

Lock Date: 11/10/1997

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY **Route:** GAVAGE

F 344/N Rat 0 MG/KG **CAS Number:** 67-47-0

*TOTALS

Species/Strain: Rat/F 344/N

Date Report Requested: 10/18/2014 Time Report Requested: 18:37:13

First Dose M/F: NA / NA

Lab: BAT

Male	DAY ON TEST	0 0 9 4									
	ANIMAL ID	0 0 1 2 1	0 0 1 2 2	0 0 1 2 3	0 0 1 2 4	0 0 1 2 5	0 0 1 2 6	0 0 1 2 7	0 0 1 2 8	0 0 1 2 9	0 0 1 3 0

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

Brain + + + + 5

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

rst Dose IW/I

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

Lab: BAT

F 344/N Rat Male 0 MG/KG	DAY ON TEST	0 0 9 4		
	ANIMAL ID	0 0 1 2	0 0 1 3	

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + 5

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY **Route:** GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

. ...

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

Lab: BAT

F 344/N Rat Male 94 MG/KG

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
	4	4	4	4	4	4	4	4	4	4
A N II N A A I . I D	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

*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

Brain + + + + 5

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY **Route:** GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

F 344/N Rat Male

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

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

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	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
AMIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Spinal Cord

94 MG/KG

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + + 5

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

5

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY **Route:** GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Lab: BAT

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

F 344/N Rat Male 188 MG/KG

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
	4	4	4	4	4	4	4	4	4	4
VVIIVAVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

*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

Brain + + + + 5

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

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

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

Species/Strain: Rat/F 344/N

F 344	'N Rat Male
188	MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	4	9 4	9 4	9 4	4	9 4	4	9 4	9 4	9 4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
,	0 1	0	0	0	0	0	0	0 1	0	0	
	4	4	4	4	4	4	4	4	4	5	*7
	1	2	3	4	5	6	/	8	9	U	

TOTALS

Spinal Cord

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

5 Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 95011-98 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Route: GAVAGE CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

CAS Number: 67-47-0

Lab: BAT

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

First Dose M/F: NA / NA

F 344/	'N Rat Male
375	MG/KG

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
	4	4	4	4	4	4	4	4	4	4
V VIII VVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

*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

Brain + + + + 5

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY **Route:** GAVAGE

CAS Number: 67-47-0

Time Report Requested: 18:37:13 First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Lab: BAT

Species/Strain: Rat/F 344/N

F 344/N Rat Male 375 MG/KG

DAY ON TEST	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4
ANIMAL ID	0 0 1 5	0 0 1 5 2	0 0 1 5 3	0 0 1 5 4	0 0 1 5 5	0 0 1 5 6	0 0 1 5 7	0 0 1 5 8	0 0 1 5 9	0 0 1 6 0

*TOTALS

Spinal Cord

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + 5

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

CAS Number: 67-47-0

Date Report Requested: 10/18/2014 Time Report Requested: 18:37:13

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male MG/KG

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
	4	4	4	4	4	4	4	4	4	4
A N 11 N A A 1 1 I D	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0

*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

5 Brain

- * ..Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

Time Report Requested: 18:37:13 First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Lab: BAT

Species/Strain: Rat/F 344/N

F 344	N R	at N	lale
750	MG	/KG	;

DAY ON TEST	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9
ANIMAL ID	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1 6 1	1 6 2	1 6 3	1 6 4	1 6 5	1 6 6	1 6 7	1 6 8	1 6 9	1 7 0

*TOTALS

Spinal Cord **Respiratory System**

NONE **Special Senses System**

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

5

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 9 9 9 9 9 9 9 9 9

F 344/N Rat Male 1500 MG/KG

0 4 4 4 4 4 4 4 0 0 0 0 0 0 0 0 0 0 ANIMAL ID Õ Õ Ō 0 0 0 0 0 1 7 4 1 1 7 8 1 1 1 1 1 1 7 6 7 5 . 7 7 7 7 7 7 8

*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

Brain + + + + 5

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 95011-98 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Route: GAVAGE **CAS Number:** 67-47-0

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

Lab: BAT

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

First Dose M/F: NA / NA

F 344/N	N Rat	Male
1500	MG/k	(G

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	3	9	9	9	9	9	9	9	9	9	
	0	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
ANIIVIAL ID	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	7	7	7	7	7	7	7	7	7	8	
	6	1	2	3	4	5	7	8	9	0	*TOTALS
											_

Respiratory System

Spinal Cord

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

END OF MALE DATA

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

F 344/N Rat Female 0 MG/KG	DAY ON TEST	0 0 9 4										
	ANIMAL ID	0 0 1 8 1	0 0 1 8 2	0 0 1 8 3	0 0 1 8 4	0 0 1 8 5	0 0 1 8 6	0 0 1 8 7	0 0 1 8 8	0 0 1 8 9	0 0 1 9 0	*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

5 Brain

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Experiment Number: 95011-98 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

First Dose M/F: NA / NA

Lab: BAT

Route: GAVAGE **CAS Number:** 67-47-0

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

DA F 344/N Rat Female 0 MG/KG

AY ON TEST	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9
ANIMAL ID	0 0 1 8 1	0 0 1 8 2	0 0 1 8 3	0 0 1 8 4	0 0 1 8 5	0 0 1 8 6	0 0 1 8 7	0 0 1 8 8	0 0 1 8 9	0 0 1 9 0

*TOTALS

Spinal Cord

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

5 Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

0

0 0

0 0

0

2 0 0

0 0

> 4 4 4

> Õ Ō 0

9 4 9 9 9

1 1

9 9 9

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014 Time Report Requested: 18:37:13

Lab: BAT

F 344/N Rat Female	DAY ON TEST	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9
94 MG/KG		4	4	4	4	4	4
	ANIMAL ID	0 1	0	0	0	0	0
		9	9	9	9	9	9
		1	2	3	4	5	6

*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

5 Brain

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

D

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY **Route:** GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Time Report Requested: 18:37:13

Date Report Requested: 10/18/2014

Lab: BAT

F 344/N Rat Female 94 MG/KG

OAY ON TEST	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	
ANIMAL ID	0 0 1 9	0 0 1 9 2	0 0 1 9 3	0 0 1 9 4	0 0 1 9 5	0 0 1 9 6	0 0 1 9 7	0 0 1 9 8	0 0 1 9	0 0 2 0 0	*

*TOTALS

Spinal Cord
Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + + 5

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$.. Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:13

Lab: BAT

F 344/N Rat Female MG/KG

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
	4	4	4	4	4	4	4	4	4	4
V VIIIVAVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

*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

5 Brain

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

Time Report Requested: 18:37:13 First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Lab: BAT

F 344/N Rat Female 188 MG/KG

DAY ON TEST	0 0 9 4										
ANIMAL ID	0 0 2 0 1	0 0 2 0 2	0 0 2 0 3	0 0 2 0 4	0 0 2 0 5	0 0 2 0 6	0 0 2 0 7	0 0 2 0 8	0 0 2 0 9	0 0 2 1 0	**

*TOTALS

Spinal Cord

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + + 5

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Time Report Requested: 18:37:14

Date Report Requested: 10/18/2014

Lab: BAT

F 344/N Rat Female MG/KG

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
	4	4	4	4	4	4	4	4	4	4
V VIIIVAVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

*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

5 Brain

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

Time Report Requested: 18:37:14

Date Report Requested: 10/18/2014

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female MG/KG

Species/Strain: Rat/F 344/N

DAY ON TEST	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9	0 0 9
ANIMAL ID	0 0 2 1 1	0 0 2 1 2	0 0 2 1 3	0 0 2 1 4	0 0 2 1 5	0 0 2 1 6	0 0 2 1 7	0 0 2 1 8	0 0 2 1 9	0 0 2 2 0

*TOTALS

Spinal Cord

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

5 Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

Species/Strain: Rat/F 344/N

Time Report Requested: 18:37:14 First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Lab: BAT

F 344/	N Rat Female
750	MG/KG

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
	4	4	4	4	4	4	4	4	4	4
V VIII VVI ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

*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

5 Brain

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

+

Species/Strain: Rat/F 344/N

CAS Number: 67-47-0

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:14

Lab: BAT

F 344/N Rat Female MG/KG 750

DAY ON TEST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 9 9 9 9 9 9 9 9 4 4 4 4 4 4 0 0 0 0 2 2 1 0 0 2 2 2 0 0 2 2 5 0 0 2 2 8 0 0 2 2 9 0 ANIMAL ID Ö 0 2 2 4 0 0 2 2 7 2 2 3 2 2 6 2 3 0

*TOTALS

Spinal Cord

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

5

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY **Route:** GAVAGE

CAS Number: 67-47-0

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:14

Lab: BAT

Species/Strain: Rat/F 344/N

F 344/I	N Rat Female
1500	MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	5	9	9	9	9	9	9	9
	3	4	9	4	4	4	4	4	4	4
ANIIMAL ID	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	3	3	3	3	3	3	3	3	3	4
	9	1	7	2	3	4	5	6	8	0

*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

Brain + + + + + 5

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 5-(Hydroxymethyl)-2-furfural

Test Type: 90-DAY Route: GAVAGE

CAS Number: 67-47-0

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 18:37:14

Lab: BAT

Species/Strain: Rat/F 344/N

F 344/	N Rat Female
1500	MG/KG

0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	5	9	9	9	9	9	9	9	
3	4	9	4	4	4	4	4	4	4	
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	
3	3	3	3	3	3	3	3	3	4	****
9	1	7	2	3	4	5	6	8	0	*101
	0 0 3 0 0 2 3	0 0 0 0 3 4 0 0 0 0 0 0 2 2 3 3	0 0 0 0 0 5 3 4 9 0 0 0 0 0 0 2 2 2 3 3 3	0 0 0 0 0 0 0 5 9 3 4 9 4 0 0 0 0 0 0 0 0 0 2 2 2 2 2 3 3 3 3	0 0 0 0 0 0 0 0 5 9 9 3 4 9 4 4 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2 2 2 3 3 3 3 3	0 0 0 0 0 0 0 0 0 5 9 9 9 3 4 9 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2 2	0 0 0 0 0 0 0 0 0 5 9 9 9 9 3 4 9 4 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2 2 2 2 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 5 9 9 9 9 9 3 4 9 4 4 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 5 9 9 9 9 9 9 9 3 4 9 4 4 4 4 4 4 4 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 3 3 3 3 3 3 3 3	0 0

Spinal Cord

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

** END OF REPORT **

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically