Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Kava kava extract **CAS Number:** 9000-38-8

Date Report Requested: 10/23/2014

Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

C Number: C20007

Lock Date: 04/22/2003

Cage Range: ΑII

**Date Range:** ΑII

**Reasons For Removal:** ΑII

**Removal Date Range:** ΑII

**Treatment Groups:** ΑII

**Study Gender:** Both

**PWG Approval Date NONE** 

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

Date Report Requested: 10/23/2014
Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

Test Compound: Kava kava extract
CAS Number: 9000-38-8

F 344/N Rat Male 0 G/KG

Species/Strain: Rat/F 344/N

DAY ON TEST	0	0	0	0	0
	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
	1	1	1	1	1
	0	0	0	0	0
	1	2	3	4	5

\*TOTALS

# **Alimentary System**

Liver	+	+	+	+	+	5		
Hematopoietic Cell Proliferation					1		1	1.0
Hepatocyte, Vacuolization Cytoplasmic			1				1	1.0
Infiltration Cellular, Mononuclear Cl	1	1	1	1	1		5	1.0

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

+ .. 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: Kava kava extract

**CAS Number:** 9000-38-8

Date Report Requested: 10/23/2014 Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Male 0 G/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 1 0 1	0 0 1 7 0 0 1 0 2	0 0 1 7 0 0 1 0 3	0 0 1 7 0 0 1 0 4	0 0 1 7 0 0 1 0 5	*TC	<u>OTA</u>	LS_
NONE Nervous System									
Brain Respiratory System		+	+	+	+	+	5		
Lung Alveolus, Infiltration Cellul Interstitium, Infiltration Cel CI Mineralization Special Senses System		+ 1 1	1	+ 1 1	+ 1 1	+ 1 1	5	3 5 1	1.0 1.0 1.0
NONE Urinary System									
Kidney Mineralization		+ 1	+	+	+	+	5	1	1.0

M .. Missing 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

X ..Lesion present

I .. Insufficient tissue

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Kava kava extract **CAS Number:** 9000-38-8

Date Report Requested: 10/23/2014 Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

F 344/N Rat Male 0.125 G/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

+ .. 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

4) Marked 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: Kava kava extract

**CAS Number:** 9000-38-8

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

DAY ON TEST

F 344/N Rat Male 0.125 G/KG

ANIMAL ID

\*TOTALS

**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

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 01:28:21

First Dose M/F: NA / NA

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

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

Experiment Number: 20007-01 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 9000-38-8

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Male 0.25 G/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

+ .. 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

Date Report Requested: 10/23/2014

Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

2) Mild 4) Marked

<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: Kava kava extract

**CAS Number:** 9000-38-8

Date Report Requested: 10/23/2014 Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

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

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Male 0.25 G/KG

ANIMAL ID

\*TOTALS

**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: Kava kava extract

**CAS Number:** 9000-38-8

Date Report Requested: 10/23/2014
Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

F 344/N Rat Male 0.5 G/KG

DAY ON TEST	0	0	0	Λ	0
DATONIESI	U	0	0	U	0
	0	0	0	0	0
	1	1	1	1	1
ANIMAL ID	7	7	7	7	7
	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	4	4	4	4	4
	0	0	0	0	0
	1	2	3	4	5

\*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

+ .. 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 4) Marked

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

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

Date Report Requested: 10/23/2014
Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 9000-38-8

Species/Strain: Rat/F 344/N

F 34	4/N Rat Male	DA
0.5	G/KG	

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

\*TOTALS

# **Respiratory System**

	+	1		
Cellular, Mononuclear Cl	1		1	1.0
	2		1	2.0
on Cellular, Mononuclear	1		1	1.0
	n Cellular, Mononuclear Cl	2	2	2 1

# **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: Kava kava extract

**CAS Number:** 9000-38-8

Date Report Requested: 10/23/2014
Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

F 344/N Rat Male 1.0 G/KG

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

\*TOTALS

**Alimentary System** 

Liver + + + + + 5
Infiltration Cellular, Mononuclear Cl 1 1 1 1.0

**Cardiovascular System** 

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

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: Kava kava extract

**CAS Number:** 9000-38-8

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344/N Rat Male 1.0 G/KG

DAY ON TEST	0	0	0	0	0
	1	1	1	1	1
ANIMAL ID	7	7	7	7	7
	0	0	0	0	0
AMINALID	U	0	0	0	0
	5	5	5	5	5
	0	0	0	0	0
	1	2	3	4	5

\*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

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 01:28:21

First Dose M/F: NA / NA

<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

Date Report Requested: 10/23/2014
Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 9000-38-8

F 344/N Rat Male 2.0 G/KG

Species/Strain: Rat/F 344/N

DAY ON TEST	0	0	0	0	0
	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
	6	6	6	6	6
	0	0	0	0	0
	1	2	3	4	5

\*TOTALS

# **Alimentary System**

Liver	+	+	+	+	+	5		
Hepatocyte, Hypertrophy	1	1	1	1	1		5	1.0
Hepatodiaphragmatic Nodule		1					1	1.0
Infiltration Cellular, Mononuclear Cl	1	1	1		1		4	1.0

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

+ .. 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

**Experiment Number: 20007-01** P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

6 6

0 3

Õ Ō 6

0 5

Test Compound: Kava kava extract

**CAS Number:** 9000-38-8

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

	DAY ON TEST		0	l
F 344/N Rat Male		0	0	l
2.0 G/KG		7	7	L
	ANIMAL ID	0	0	l
		6	6	
		0	0	l
		1	2	l

\*TOTALS

NONE

**Nervous System** 

Brain 5

**Respiratory System** 

Lung Alveolus, Infiltration Cellular, Mononuclear Cl 1.0 Interstitium, Infiltration Cellular, Mononuclear 5 1.0

**Special Senses System** 

NONE

**Urinary System** 

Kidney

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

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: 10/23/2014

Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

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

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

Date Report Requested: 10/23/2014 Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 9000-38-8

Species/Strain: Rat/F 344/N

F 344/N Rat Female 0 G/KG DAY ON TEST 0 0 0 0 0 0 *1 7 1 7 1 7 1 7* 0 0 0 0 ANIMAL ID Õ 0 0 1 5 5 1 5 2 1 1 1 5 1 5 3 5

\*TOTALS

5 1.0

**Alimentary System** 

Cardiovascular System

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

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

Marked

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

#### **Experiment Number: 20007-01** P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Kava kava extract

**CAS Number:** 9000-38-8

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

E 244/N Det Female	DAY ON TEST	0	0	0	0	0			
F 344/N Rat Female 0 G/KG		<i>1 7</i>	<i>1 7</i>	<i>1 7</i>	<i>1 7</i>	<i>1 7</i>			
	ANIMAL ID	0	0	0	0	0			
		1 5 1	1 5 2	5 3	1 5 4	1 5 5	*TC	ЭТА	J.S.
Brain		+	+	+	+	+	5	, , , ,	
Respiratory System									
Lung		+	+	+	+	+	5		
Alveolus, Infiltration Cellula	ar, Mononuclear Cl	1	1	1				3	1.0
Interstitium, Infiltration Cell	ular, Mononuclear	1	1	1	1	1		5	1.0
Special Senses System									
NONE									
Urinary System									
Kidney		+	+	+	+	+	5		
Infiltration Cellular, Monon	uclear Cl				1			1	1.0

M .. Missing tissue

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: 10/23/2014

Time Report Requested: 01:28:21

First Dose M/F: NA / NA

<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

Date Report Requested: 10/23/2014
Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

Test Compound: Kava kava extract
CAS Number: 9000-38-8

F 344/N Rat Female 0.125 G/KG

Species/Strain: Rat/F 344/N

DAY ON TEST	0	0	0	0	0 0
	<i>I</i>	<i>I</i>	1	<i>I</i>	1 7
	/	/	/	/	/
ANIMAL ID	0	0	0	0	0
ANIIVIAL ID	0	0	0	0	0
	2 5	2 5	2 5	2 5	2 5
	5	5	5	5	5
	1	2	3	4	5

\*TOTALS

**Alimentary System** 

Liver + + + + + 5
Infiltration Cellular, Mononuclear Cl 1 1 1 3 1.0

**Cardiovascular System** 

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

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: Kava kava extract

**CAS Number:** 9000-38-8

Date Report Requested: 10/23/2014
Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

F 344/N Rat Female 0.125 G/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
	2 5	2	2	2 5	2
	5	2 5 2	2 5	5	2 5 5
	1	2	3	4	5

\*TOTALS

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

#### Experiment Number: 20007-01 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Kava kava extract

**CAS Number:** 9000-38-8

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344	/N Rat Female
0.25	G/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0 0 3 5 1	0 0 3 5 2	00353	0 0 3 5 4	0 0 3 5 5

\*TOTALS

#### **Alimentary System**

Liver	+	+	+	+	+	5		
Hepatocyte, Hypertrophy	1	1	1	1	1		5	1.0
Hepatodiaphragmatic Nodule		1			1		2	1.0
Infiltration Cellular, Mononuclear Cl	1	1	1	1	1		5	1.0

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

+ .. 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: 10/23/2014

Time Report Requested: 01:28:21

First Dose M/F: NA / NA

<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: Kava kava extract

**CAS Number:** 9000-38-8

Date Report Requested: 10/23/2014
Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

Test Type: 14-DAY
Route: GAVAGE

Species/Strain: Rat/F 344/N

F 344	/N Rat Female
0.25	G/KG

DAY ON TEST	0	0	0	0	0
	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
	3	3	3	3	3
	5	5	5	5	5
	1	2	3	4	5

\*TOTALS

NONE

# **Nervous System**

NONE

# **Respiratory System**

	Lung	+	+	+	3		
	Alveolus, Infiltration Cellular, Mononuclear Cl	1	1			2	1.0
	Hemorrhage	2	2			2	2.0
	Infiltration Cellular, Mononuclear Cl			1		1	1.0
CI	Interstitium, Infiltration Cellular, Mononuclear	1	1			2	1.0
U							

# **Special Senses System**

NONE

#### **Urinary 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: Kava kava extract CAS Number: 9000-38-8

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

**Experiment Number: 20007-01** 

Date Report Requested: 10/23/2014 Time Report Requested: 01:28:21

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0
	0	0	0	0
	1	1	1	1
	7	7	7	7
VVIIVAVI ID	0	0	0	0
ANIMAL ID	0	0	0	0
				DAY ON TEST   0   0   0   0   0   0   0   0   0

0

\*TOTALS

# **Alimentary System**

Liver	+	+	+	+	+	5		
Hepatocyte, Hypertrophy	1	1	1	1	1		5	1.0
Infiltration Cellular, Mononuclear Cl	1	1	1	1	1		5	1.0

# **Cardiovascular System**

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

Uterus + 1
Endometrium, Hyperplasia, Cystic 3 1 3.0

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal 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: Kava kava extract

**CAS Number:** 9000-38-8 Route: GAVAGE

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Female G/KG

DAY ON TEST	0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
ANIMAL ID	0	0	0	0	0
	4 5	4	0 4 5	4 5	4 5
	ວ 1	5 2	3	3 4	5

\*TOTALS

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

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

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 01:28:22

First Dose M/F: NA / NA

<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

Date Report Requested: 10/23/2014 Time Report Requested: 01:28:22

First Dose M/F: NA / NA

Lab: BAT

Test Compound: Kava kava extract **CAS Number:** 9000-38-8

F 344/N Rat Female

G/KG

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

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

\*TOTALS

# **Alimentary System**

Liver	+	+	+	+	+	5		
Hepatocyte, Hypertrophy	1	1	1	1	1		5	1.0
Hepatodiaphragmatic Nodule		1					1	1.0
Infiltration Cellular, Mononuclear Cl	1	1		1	1		4	1.0

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

+ .. 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: Kava kava extract

Test Type: 14-DAY Route: GAVAGE

**CAS Number:** 9000-38-8

Species/Strain: Rat/F 344/N

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

Date Report Requested: 10/23/2014

Time Report Requested: 01:28:22

F 344/N Rat Female G/KG

DAY ON TEST	0	0	0	0	0
	<i>1</i> 7	1 7	1 7	<i>1</i> 7	7
ANIMAL ID	0	0	0	0	0
	5 5	5	5	5 5	5 5
	ວ 1	5 2	5 3	о 4	5

\*TOTALS

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

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

#### Experiment Number: 20007-01 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Kava kava extract CAS Number: 9000-38-8

Route: GAVAGE CAS Number: 9

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F	344/	N Rat	Female
2.	.0	G/KG	

DAY ON TEST	0	0	0	0	0
	<i>1 7</i>	<i>1 7</i>	0	<i>1 7</i>	1 7
ANIMAL ID	0	0	0	0	0
,	6	0 6	6	6	0 6
	5	5	5	5	6 5
	1	2	3	4	5

\*TOTALS

#### **Alimentary System**

Liver	+	+	+	+	+	5		
Hepatocyte, Hypertrophy	1	1	1	1	1		5	1.0
Infiltration Cellular, Mononuclear Cl	1			1			2	1.0

# **Cardiovascular System**

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

Lymph Node + 1

Hyperplasia, Lymphoid 2 1 2.0

**Integumentary System** 

NONE

**Musculoskeletal 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

Date Report Requested: 10/23/2014

Time Report Requested: 01:28:22

First Dose M/F: NA / NA

Lab: BAT

2) Mild 4) Marked

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

#### **Experiment Number: 20007-01** P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Kava kava extract

**CAS Number:** 9000-38-8

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344/N Rat Female 2.0 G/KG	DAY ON TEST	0 0 1 7 0 0 6 5	0 0 1 7 0 0 6 5 2	0 0 0 3 0 0 6 5 3	0 0 1 7 0 0 6 5 4	0 0 1 7 0 0 6 5 5	*TC	DΤΑ	LS	
NONE										
Nervous System										
Brain		+	+	+	+	+	5			
Respiratory System										
Lung		+	+	+	+	+	5			
Alveolus, Infiltration Cellula	ar, Mononuclear Cl				1	1		2	1.0	
Interstitium, Infiltration Cellular, Mononuclear Cl		1	1	1	1	1		5	1.0	
Special Senses System										
Eye				+			1			
Iris, Inflammation				1				1	1.0	
Synechia				2				1	2.0	
Urinary System										
Kidney		+	+	+	+	+	5			

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/23/2014

Time Report Requested: 01:28:22

First Dose M/F: NA / NA

Lab: BAT

\*\* END OF REPORT \*\*

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

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

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue