Experiment Number: 20005-01 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng CAS Number: 50647-08-0 Date Report Requested: 10/20/2014 Time Report Requested: 07:24:53 First Dose M/F: NA / NA Lab: BAT

C Number:	C20005
Lock Date:	Not Entered.
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: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:53 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Male 0 G/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 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	*TC	ΟΤΑ	LS
Alimentary System							-		
Liver Hepatocyte, Fatty Change		+	+	+	+	+ 1	5	1	1.0
Inflammation, Chronic Act Cardiovascular System	ive, Focal	1	1			1		3	1.0
NONE Endocrine System									
Adrenal Cortex Adrenal Medulla General Body System		+ +	+ +	+ +	+ +	+ +	5 5		
NONE Genital System									
NONE Hematopoietic System									
NONE Integumentary System									
NONE Musculoskeletal 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

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

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 0 1 0 5	*TC	DTA	LS_
NONE									
Nervous System									
Brain		+	+	+	+	+	5		
Respiratory System									
Lung		+	+	+	+	+	5		
Alveolar Epith, Hyperplas	а			1				1	1.0
Alveolus, Hemorrhage		2	2	1	1	1		5	1.4
Alveolus, Infiltration Cellu	ar, Histiocyte	1				1		2	1.0
Interstitium, Inflammation,	Chronic Active			1				1	1.0
Special Senses System									
NONE									
Urinary System									
Kidney		+	+	+	+	+	5		
Nephropathy		1			1			2	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 BLANK ..Not examined microscopically

Experiment Number: 20005-01 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Ginseng CAS Number: 50647-08-0	Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT
F 344/N Rat Male 0.125 G/KG	DAY ON TEST 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 avami	nod microscopically: To	al animals with logics and mean soverity grade	

* .. 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: 20005-01		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/20/2014
Test Type: 14-DAY		Test Compound: Ginseng	Time Report Requested: 07:24:54
Route: GAVAGE		CAS Number: 50647-08-0	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N			Lab: BAT
DAY ON T	EST		
F 344/N Rat Male			
0.125 G/KG			
ANIMA	L ID		
	*TOTA	LS	
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: 20005-01 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

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 0.25 G/KG 0 0 0 0 0 3 0 1 0 0 3 0 2 ANIMAL ID 0 3 0 5 0 0 3 0 3 3 Ō ***TOTALS** 4

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

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Male 0.25 G/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 3 0 1	0 0 1 7 0 0 3 0 2	0 0 1 7 0 0 3 0 3	0 0 1 7 0 0 3 0 4	0 0 1 7 0 0 3 0 5	*T(ΟΤΑ	LS	
Respiratory System						-				
Lung					+	+	2			
Alveolar Epith, Hyperplasia					1			1	1.0	
Alveolus, Hemorrhage					2	2		2	2.0	
Alveolus, Infiltration Cellular Special Senses System	, Histiocyte				1			1	1.0	

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: 20005-01 Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

	DAY ON TEST	0	0	0	0	0	
F 344/N Rat Male 0.5 G/KG		0 1 7	0 1 7	0 1 7	0 1 7	0 1 7	
0.5 6/16	ANIMAL ID	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	
		0 1	02	03	0 4	0 5	*TOTALS
Alimontory System							

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

+ $\hfill ... Tissue examined microscopically$

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: Ginseng CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Male 0.5 G/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 4 0 1	0 0 4 0 2	0 0 4 0 3	0 0 4 0 4	0 0 4 0 5	*T(ΔΤΟ	LS
Respiratory System			•						
Lung				+			1		
Alveolus, Hemorrhage				3				1	3.0
Alveolus, Infiltration Cellular, Histiocyte Special Senses System				1				1	1.0

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: Ginseng CAS Number: 50647-08-0 Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Male 1.0 G/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 5 0 1	0 0 1 7 0 0 5 0 2	0 0 1 7 0 0 5 0 3	0 0 1 7 0 0 5 0 4	0 0 1 7 0 0 5 0 5	*TOTALS
Alimentary System							
Liver Hepatodiaphragmatic Node Cardiovascular System	ule			+ X			1 1
NONE Endocrine System							
NONE General Body System							
NONE Genital System							
NONE Hematopoietic System							
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

Experiment Number: 20005-01 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

1.0 G/KG 7 7 7 7 7 ANIMAL ID 0 0 0 0 0 0 0 5 5 5 5 5 5 5 5	F 344/N Rat Male	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1	0 0 1	
1 2 3 4 5 *TOTAL	1.0 G/KG	ANIMAL ID	/ 0 5	7 0 5 0	7 0 5 0	/ 0 5	0 5 0	***

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

+ .. 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: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Male	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7			
2.0 G/KG	ANIMAL ID	7 0 0 6 0 1	7 0 6 0 2	7 0 6 0 3	0 0 6 0 4	7 0 6 0 5	*TC	ΟΤΑ	LS
Alimentary System				-		-			
Liver Hepatocyte, Fatty Change Inflammation, Chronic Ac Cardiovascular System		+	+ 1	+ 1	+ 1	+ 1	5	1 3	1.0 1.0
NONE Endocrine System									
Adrenal Cortex Adrenal Medulla General Body System		+ +	+ +	+ +	+ +	+ +	5 5		
NONE Genital System									
NONE Hematopoietic System									
NONE Integumentary System									
NONE Musculoskeletal 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

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Male	DAY ON TEST	0 0	0 0 1	0	00	00			
2.0 G/KG	ANIMAL ID	<i>1</i> 7 0 6 0 1	7 0 0 6 0 2	1 7 0 6 0 3	1 7 0 6 0 4	1 7 0 6 0 5	*TOT	ALS	
NONE									
Nervous System									
Brain		+	+	+	+	+	5		
Respiratory System									
Lung		+	+	+	+	+	5		
Alveolar Epith, Hyperplas	sia				1		1	1.0	
Alveolus, Hemorrhage		1	3	2	3	2	5	2.2	
Alveolus, Infiltration Cellu	ılar, Histiocyte		1			1	2	1.0	
Bronchiole, Hyperplasia				1			1	1.0	
Fibrosis, Focal		1					1	1.0	
Interstitium, Inflammation	, Chronic Active			1			1	1.0	
Special Senses System									
NONE									
Urinary System									
Kidney		+	+	+	+	+	5		
							***EN	ND OF	= MA

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: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Female	DAY ON TEST	0 0 1	0 0 1	0 0 1	0 0 1	0 0 1			
0 G/KG	ANIMAL ID	7 0 1 5 1	7 0 1 5 2	7 0 1 5 3	7 0 1 5 4	7 0 1 5 5	*TC	ΟΤΑ	LS
Alimentary System									
Liver Hematopoietic Cell Prolife Inflammation, Chronic Act Cardiovascular System		+ 1	+ 1	+ 1	+ 1 1	+ 1	5	1 5	1.0 1.0
NONE Endocrine System									
Adrenal Cortex Adrenal Medulla General Body System		+ +	+ +	+ +	+ +	+ +	5 5		
NONE Genital System									
NONE Hematopoietic System									
NONE Integumentary System									
NONE Musculoskeletal 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

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Female 0 G/KG	DAY ON TEST ANIMAL ID	<i>0</i> <i>0</i> <i>1</i> <i>7</i> 0 0 1 5 1	0 0 1 7 0 0 1 5 2	<i>0</i> <i>0</i> <i>1</i> <i>7</i> 0 0 0 1 5 3	<i>0</i> <i>0</i> <i>1</i> <i>7</i> 0 0 1 5 4	0 0 1 7 0 0 1 5 5	*TC	ΟΤΑ	LS
NONE Nervous System									
Brain Respiratory System		+	+	+	+	+	5		
Lung Alveolus, Hemorrhage Alveolus, Infiltration Cellular, Histiocyte Alveolus, Inflammation, Acute Interstitium, Inflammation, Chronic Active Special Senses System			+ 1	+ 2 1 1	+ 1 1	+ 1	5	5 1 1 1	1.2 1.0 1.0 1.0
NONE Urinary System									
Kidney Mineralization Nephropathy		+ 1	+	+	+ 1	+ 2 1	5	3 1	1.3 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 BLANK ..Not examined microscopically

Experiment Number: 20005-0 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N	1	P09: NON-NEOP	LASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Ginseng CAS Number: 50647-08-0	Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT
F 344/N Rat Female 0.125 G/KG	DAY ON TEST			
	ANIMAL ID	*TOTALS		
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				
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: 20005-01		P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL	Date Report Requested: 10/20/2014
Test Type: 14-DAY		Test Compound: Ginseng	Time Report Requested: 07:24:54
Route: GAVAGE		CAS Number: 50647-08-0	First Dose M/F: NA / NA
Species/Strain: Rat/F 344/N			Lab: BAT
DAY ON T	EST		
F 344/N Rat Female			
0.125 G/KG			
ANIMA	AL ID		
	*TOT	TALS	
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: 20005-01 Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

E 244/N Det Femele	DAY ON TEST	0 0	0 0	0 0	0 0	0 0		
F 344/N Rat Female 0.25 G/KG		1 7	1 7	1 7	1 7	1 7		
	ANIMAL ID	0 0 3 5 1	0 0 3 5 2	0 0 3 5 3	0 0 3 5 4	0 0 3 5 5	*T(OTALS
Alimentary System				<u> </u>				017120
Liver Hepatodiaphragmatic Nod Cardiovascular System	ule				+ X		1	1
NONE Endocrine System								
NONE General Body System								
NONE Genital System								
NONE Hematopoietic System								
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

Experiment Number: 20005-01 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Female 0.25 G/KG	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
0.25 9/69	ANIMAL ID	0 0 3 5 1	0 0 3 5 2	0 0 3 5 3	0 0 3 5 4	0 0 3 5 5	*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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

Experiment Number: 20005-01 Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Female 0.5 G/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 4 5 1	<i>0</i> <i>0</i> <i>1</i> <i>7</i> 0 0 4 5 2	0 0 1 7 0 0 4 5 3	0 0 1 7 0 0 4 5 4	0 0 1 7 0 0 4 5 5	*TOTALS
Alimentary System		1	2	5	-	5	
NONE Cardiovascular System							
NONE Endocrine System							
NONE General Body System							
NONE Genital System							
NONE Hematopoietic System							
Lymph Node Hemorrhage Integumentary System						+ 1	1 1 1.0
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

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Female 0.5 G/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 4 5	0 0 4 5	0 0 4 5	0 0 4 5	0 0 4 5			
		1	2	3	4	5	*TC	<u>ATC</u>	LS
NONE									
Respiratory System									
Lung						+	1		
Alveolus, Hemorrhage						3		1	3.0
Fibrosis, Focal						2		1	2.0
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

Experiment Number: 20005-0 Test Type: 14-DAY Route: GAVAGE Species/Strain: Rat/F 344/N	01	P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: Ginseng CAS Number: 50647-08-0	Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT
	DAY ON TEST		
F 344/N Rat Female			
1.0 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			

* .. 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: 20005-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

DAY O	N TEST
-------	--------

F 344/N Rat Female 1.0 G/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: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Female 2.0 G/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 6 5 1	0 0 6 5 2	0 0 6 5 3	0 0 6 5 4	0 0 6 5 5	*TC	DTA	LS
Alimentary System			•		•				
Liver Inflammation, Chronic Acti Cardiovascular System	ve, Focal	+ 1			+	+ 1	5	4	1.0
NONE Endocrine System									
Adrenal Cortex Adrenal Medulla General Body System		+ +			+ +		5 5		
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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginseng

CAS Number: 50647-08-0

Date Report Requested: 10/20/2014 Time Report Requested: 07:24:54 First Dose M/F: NA / NA Lab: BAT

F 344/N Rat Female 2.0 G/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 6 5 1	<i>0</i> <i>0</i> <i>1</i> <i>7</i> 0 0 6 5 2	0 0 1 7 0 0 6 5 3	0 0 1 7 0 0 6 5 4	0 0 1 7 0 0 6 5 5	*TOTALS
Nervous System							
Brain		+	+	+	+	+	5
Respiratory System							
Lung		+	+	+	+	+	5
Alveolus, Hemorrhage		1	3	1	2	1	5 1.6
Alveolus, Infiltration Cellular, Histiocyte		1	1	1		1	4 1.0
Edema					2		1 2.0
Interstitium, Inflammation, Chronic Active		1				1	2 1.0
Special Senses System							
NONE							
Urinary System							
Kidney		+	+	+	+	+	5
Mineralization		2		1	1		3 1.3
Nephropathy		1		1			2 1.0
** 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