#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND Date Report Requested: 03/20/2012 Time Report Requested: 13:29:21 First Dose M/F: 04/20/09 / NA Lab: BNW

F1\_26 Wk. SSAC

NTP Study Number:	C20213
Lock Date:	08/17/2010
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	25017 SSAC
Removal Date Range:	16-Oct-2009 - 16-Oct-2009
Treatment Groups:	Include ALL
Study Gender:	Male
TDMSE Version:	2.6.0.0_007
PWG Approval Date:	NONE

I .. Insufficient tissue

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND

DAY ON TEST		0 1 8 0								
Control ANIMAL ID	0 0 0 2 5	0 0 0 2 6	0 0 0 3 0	0 0 0 3 2	0 0 0 3 3	0 0 0 4 8	0 0 0 4 9	0 0 0 5 1		* TOTALS
ALIMENTARY SYSTEM										
Intestine Small, Ileum	М	М	М	М	М	М	М	М		0
Intestine Small, Jejunum	М	М	М	М	М	М	М	М		0
CARDIOVASCULAR SYSTEM										
NONE										
ENDOCRINE SYSTEM		·			-					
NONE										
GENERAL BODY SYSTEM										
NONE										
GENITAL SYSTEM										
NONE										
HEMATOPOIETIC SYSTEM										
Lymph Node, Bronchial	+	+	+	+	+	+	+	М		7
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+		8
INTEGUMENTARY SYSTEM		-	-		-	-				
NONE										
* Total animals with tissue examined m + Tissue examined microscopically X Lesion present	icroscop	oically	∕; Tot	tal ani	mals	with 1	tumor		M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND

DAY ON TEST		0 1 8 0											
	0 0 0 2 5	0 0 0 2 6	0 0 0 3 0	0 0 0 3 2	0 0 0 3 3	0 0 0 4 8	0 0 0 4 9	0 0 0 5 1		* TOTALS			
MUSCULOSKELETAL SYSTEM													
NONE													
NERVOUS SYSTEM													
NONE													
RESPIRATORY SYSTEM					_								
Larynx	+	+	+	+	+	+	+	+		8			
Lung	+	+	+	+	+	+	+	+		8			
Nose	+	+	+	+	+	+	+	+		8			
Trachea	+	+	+	+	+	+	+	+		8			
SPECIAL SENSES SYSTEM	·			•									
NONE													
URINARY SYSTEM													
NONE					-								
SYSTEMIC LESIONS													
Multiple Organ	+	+	+	+	+	+	+	+		8			
* Total animals with tissue examined m + Tissue examined microscopically X Lesion present I Insufficient tissue	icrosco	picall	y; Tot	al ani	mals	with 1	tumoi	r	M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically				

I .. Insufficient tissue

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND

DAY ON TH HARLAN SPRAGUE DAWLEY RA MALE		1	1	1	0 1 8 0	0 1 8 0	0 1 8 0	0 1 8 0		
<b>15 mg/m3</b> ANIMA	L ID 0 2 2 5			0 2 3	0 0 2 3 3	0 0 2 4 8	0 0 2 4 9	0 0 2 5 1		* TOTALS
ALIMENTARY SYSTEM										
Intestine Small, Ileum	М	М	М	М	М	М	М	М		0
Intestine Small, Jejunum	М	М	М	М	М	М	М	М		0
CARDIOVASCULAR SYSTEM	i									
NONE										
ENDOCRINE SYSTEM							-			
NONE										
GENERAL BODY SYSTEM										
NONE										
GENITAL SYSTEM										
NONE										
HEMATOPOIETIC SYSTEM										
Lymph Node, Bronchial	+	+	+	+	+	+	+	+		8
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+		8
INTEGUMENTARY SYSTEM										
NONE										
* Total animals with tissue examine + Tissue examined microscopically X Lesion present		pical	ly; To	ital ani	mals	with	tumor		M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND

DAY ON TEST HARLAN SPRAGUE DAWLEY RATS MALE	0 1 8 0												
<b>15 mg/m3</b> ANIMAL ID	0 0 2 2 5	0 0 2 2 6	0 0 2 3 0	0 0 2 3 2	0 0 2 3 3	0 0 2 4 8	0 0 2 4 9	0 0 2 5 1		* TOTALS			
MUSCULOSKELETAL SYSTEM													
NONE													
NERVOUS SYSTEM													
NONE													
RESPIRATORY SYSTEM													
Larynx	+	+	+	+	+	+	+	+		8			
Lung	+	+	+	+	+	+	+	+		8			
Nose	+	+	+	+	+	+	+	+		8			
Trachea	+	+	+	+	+	+	+	+		8			
SPECIAL SENSES SYSTEM													
NONE													
URINARY SYSTEM													
NONE						_							
SYSTEMIC LESIONS							-						
Multiple Organ	+	+	+	+	+	+	+	+		8			
* Total animals with tissue examined mic + Tissue examined microscopically X Lesion present I Insufficient tissue	rosco	pically	/; Tot	al ani	mals	with t	umor	,	M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically				

# P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND Date Report Requested: 03/20/2012 Time Report Requested: 13:29:21 First Dose M/F: 04/20/09 / NA Lab: BNW

DAY ON TEST HARLAN SPRAGUE DAWLEY RATS MALE		0 1 8 0	0 1 8 0	0 1 8 0	0 1 8 0	0 1 8 0	0 1 8 0	0 1 8 0		
<b>30 mg/m3</b> ANIMAL IE	0 0 4 2 5	0 0 4 2 6	0 0 4 3 0	4	0 0 4 3 3	0 0 4 4 8	0 0 4 9	0 0 4 5 1		* TOTALS
ALIMENTARY SYSTEM										
Intestine Small, Ileum	М	М	М	+	М	М	М	М		1
Intestine Small, Jejunum	М	М	М	М	М	М	М	М		0
CARDIOVASCULAR SYSTEM										
NONE										
ENDOCRINE SYSTEM										
NONE										
GENERAL BODY SYSTEM										
NONE										
GENITAL SYSTEM										
NONE										
HEMATOPOIETIC SYSTEM										
Lymph Node, Bronchial	+	+	+	+	+	+	+	+		8
Lymph Node, Mediastinal	+	+	+	+	+	+	М	+		7
INTEGUMENTARY SYSTEM										
NONE										
* Total animals with tissue examined m	icrosco	picall	y; Tot	tal an	imals	with 1	tumor		M Missing tissue	

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND

		-	1	1		-		1	1		
D HARLAN SPRAGUE DAW MALE	DAY ON TEST LEY RATS	0 1 8 0									
30 mg/m3	ANIMAL ID	0 0 4 2 5	0 0 4 2 6	0 0 4 3 0	0 0 4 3 2	0 0 4 3 3	0 0 4 4 8	0 0 4 4 9	0 0 4 5 1		* TOTALS
MUSCULOSKELETAL SYS	STEM	-	-	-		-					
NONE											
NERVOUS SYSTEM											
NONE											
RESPIRATORY SYSTEM											
Larynx		+	+	+	+	+	+	+	+		8
Lung		+	+	+	+	+	+	+	+		8
Nose		+	+	+	+	+	+	+	+		8
Trachea		+	+	+	+	+	+	+	+		8
SPECIAL SENSES SYSTE	Μ										
NONE											
URINARY SYSTEM											
NONE						-					
SYSTEMIC LESIONS											
Multiple Organ		+	+	+	+	+	+	+	+		8
* Total animals with tiss + Tissue examined micro X Lesion present I Insufficient tissue		oscop	bically	/; Tot	al ani	mals	with	tumor		M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND

DAY ON TEST HARLAN SPRAGUE DAWLEY RATS MALE		1	0 1 8 0	0 1 8 0	0 1 8 0	0 1 8 0	0 1 8 0	0 1 8 0		
60 mg/m3 ANIMAL ID	0 0 6 2 5	0	0	0 0 6 3 2	0 0 6 3 3	0 0 6 4 8	0 0 6 4 9	0 0 6 5 1		* TOTALS
ALIMENTARY SYSTEM					1		1	1		
Intestine Small, Ileum	М	М	М	М	М	М	М	М		0
Intestine Small, Jejunum	М	М	М	М	Μ	М	М	М		0
CARDIOVASCULAR SYSTEM										
NONE										
ENDOCRINE SYSTEM										
Adrenal Cortex						+				1
GENERAL BODY SYSTEM										
NONE										
GENITAL SYSTEM										
NONE										
HEMATOPOIETIC SYSTEM										
Lymph Node, Bronchial	+	+	+	+	+	+	+	+		8
Lymph Node, Mediastinal	+	+	+	+	+	+	+	Ι		7
INTEGUMENTARY SYSTEM								-		
Skin							+			1
<ul> <li>* Total animals with tissue examined mi</li> <li>+ Tissue examined microscopically</li> <li>X Lesion present</li> <li>I Insufficient tissue</li> </ul>	crosco	picall	y; Tot	al ani	mals	with t	tumor		M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND

	_				_		_	_		
DAY ON TEST HARLAN SPRAGUE DAWLEY RATS MALE	0 1 8 0									
60 mg/m3 ANIMAL ID	0 0 6 2 5	0 0 6 2 6	0 0 6 3 0	0 0 6 3 2	0 0 6 3 3	0 0 6 4 8	0 0 6 4 9	0 0 6 5 1		* TOTALS
MUSCULOSKELETAL SYSTEM					-	-	-			
NONE										
NERVOUS SYSTEM										
NONE										
RESPIRATORY SYSTEM										
Larynx	+	+	+	+	+	+	+	+		8
Lung	+	+	+	+	+	+	+	+		8
Nose	+	+	+	+	+	+	+	+		8
Trachea	+	+	+	+	+	+	+	+		8
SPECIAL SENSES SYSTEM										
NONE						_				
URINARY SYSTEM										
NONE							-			
SYSTEMIC LESIONS										
Multiple Organ	+	+	+	+	+	+	+	+		8
* Total animals with tissue examined mic + Tissue examined microscopically X Lesion present I Insufficient tissue	rosco	pically	y; Tot	tal ani	mals	with	tumo	r	M Missing tissue A Autolysis precludes evaluation BLANK Not examined microscopically	

Abrasive blasting agents (blasting sand) CAS Number: BLASTINGSAND Date Report Requested: 03/20/2012 Time Report Requested: 13:29:21 First Dose M/F: 04/20/09 / NA Lab: BNW

\*\*\* END OF REPORT \*\*\*

 $^{\ast}$  .. 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 BLANK .. Not examined microscopically