

**Experiment Number:** 20209 - 03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/Wistar Han

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Pentabromodiphenyl oxide (technical) (DE 71)  
**CAS Number:** 32534-81-9

**Date Report Requested:** 08/05/2014  
**Time Report Requested:** 10:16:02  
**First Dose M/F:** 08/26/08 / 08/26/08  
**Lab:** SRI

F\_14 Wk. SSAC\_RE

**NTP Study Number:** C20209

**Lock Date:** 08/31/2011

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** 25017 SSAC

**Removal Date Range:** ALL

**Treatment Groups:** Include 001 0 MG/KG  
Include 008 50 MG/KG

Include 002 0 MG/KG

Include 007 50 MG/KG

**Study Gender:** Both

**TDMSE Version:** 3.0.2.1\_001

**PWG Approval Date:** NONE

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WISTAR HAN RATS MALE 0 MG/KG	DAY ON TEST										ANIMAL ID	
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2		
	0	0	0	0	0	0	0	0	0	0	0 0 0 0 1	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 2	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 4	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 8	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 3	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 7	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 8	
	0	0	0	0	0	0	0	0	0	0	0 0 0 1 0	
											<b>* TOTALS</b>	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Fatty Change		1	1									2 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	1											1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	10	
-------	---	---	---	---	---	---	---	---	---	---	----	--

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

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X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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1-4 .. Lesion qualified as:

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	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	
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	1	1	2	2	3	4	6	
	1	2	4	4	8	3	9	7	8	0	
Cardiomyopathy	1										1 1.0

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Accessory Adrenal Cortical Nodule				1							1 1.0
Vacuolization Cytoplasmic			2								1 2.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1	1		1	1	1	1	1	1	1	9 1.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic			1						1		2 1.0

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	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	
	ANIMAL ID										
	0 0 0 0 1	0 0 0 0 2	0 0 0 0 4	0 0 0 1 4	0 0 0 1 8	0 0 0 2 3	0 0 0 2 9	0 0 0 3 7	0 0 0 4 8	0 0 0 6 0	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
<b>HEMATOPOIETIC SYSTEM</b>											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node				+							1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>											
Bone	+	+	+	+	+	+	+	+	+	+	10
<b>NERVOUS SYSTEM</b>											
Brain	+	+	+	+	+	+	+	+	+	+	10

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		0	0	0	0	0	0	0	0	0	
<b>WISTAR HAN RATS MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
<b>0 MG/KG</b>		2	2	2	2	2	2	2	2	2	
	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	1	1	2	2	3	4	6
		1	2	4	4	8	3	9	7	8	0
<b>* TOTALS</b>											

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic				1						1	<b>2 1.0</b>
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hydronephrosis	1										<b>1 1.0</b>
Inflammation, Chronic						1					<b>1 1.0</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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	0	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	1
	2	2	2	2	2	2	2	2	2	2	6
	0	0	0	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	0	0	0	5
	1	1	1	1	1	1	1	2	2	2	7
	6	6	7	8	8	9	9	0	1	1	8
	2	5	5	5	9	3	7	8	5	7	5
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Fatty Change	1	2		2	2	1	2		1	1	8 1.5
Hepatocyte, Hypertrophy	3	3	3	3	3	4	3	3	3	3	10 3.1
Mesentery					+						1
Fibrosis, Focal					2						1 2.0
Oral Mucosa			+								1
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Atrophy	1			1							2 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10

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	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	2	2	2	
	6	6	7	8	8	9	9	0	1	1	
	2	5	5	5	9	3	7	8	5	7	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
<b>CARDIOVASCULAR SYSTEM</b>											
Blood Vessel										+	1
Heart	+	+	+	+	+	+	+	+	+	+	10
<b>ENDOCRINE SYSTEM</b>											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Accessory Adrenal Cortical Nodule	1									1	2 1.0
Vacuolization Cytoplasmic							3				1 3.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Vacuolization Cytoplasmic			1								1 1.0
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	I	+	+	+	+	+	+	+	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Follicle, Hypertrophy	1			2				1		1	4 1.3
<b>GENERAL BODY SYSTEM</b>											
NONE											

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID
	0	0	0	0	0	0	0	0	0	0	
9	9	9	9	9	9	9	9	9	9	9	1
2	2	2	2	2	2	2	2	2	2	2	6
											2
											5
											5
											9
											3
											7
											8
											5
											7
<b>* TOTALS</b>											

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1	1		1	1	1	1		1	2	8 1.1
Prostate	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1	1						1			3 1.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node				+							1
Pigmentation				1							1 1.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

**INTEGUMENTARY SYSTEM**

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WISTAR HAN RATS MALE 50 MG/KG	DAY ON TEST										ANIMAL ID			
	0	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	9			
	2	2	2	2	2	2	2	2	2	2	2			
	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	2	2	2	2			
	6	6	7	8	8	9	9	0	1	1	1			
	2	5	5	5	9	3	7	8	5	7	7			
													<b>* TOTALS</b>	
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Skin	+	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>MUSCULOSKELETAL SYSTEM</b>														
Bone	+	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>NERVOUS SYSTEM</b>														
Brain	+	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>RESPIRATORY SYSTEM</b>														
Lung	+	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Inflammation, Chronic	1				1	1					1			<b>4 1.0</b>
Metaplasia, Osseous											1			<b>1 1.0</b>
Alveolus, Infiltration Cellular, Histiocyte	1													<b>1 1.0</b>
Nose	+	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Trachea	+	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>SPECIAL SENSES SYSTEM</b>														
Eye	+	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>URINARY SYSTEM</b>														

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		0	0	0	0	0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	0	0	0	0	
WISTAR HAN RATS MALE		9	9	9	9	9	9	9	9	9	
50 MG/KG		2	2	2	2	2	2	2	2	2	
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	2	2	2	
		6	6	7	8	8	9	9	0	1	1
		2	5	5	5	9	3	7	8	5	7
<b>* TOTALS</b>											
Kidney		+	+	+	+	+	+	+	+	+	10
Casts Protein					1						1 1.0
Hydronephrosis		3	2					3			3 2.7
Renal Tubule, Vacuolization Cytoplasmic						1					1 1.0
Urinary Bladder		+	+	+	+	+	+	+	+	+	10

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

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

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DAY ON TEST		0	0	0	0	0	0	0	0	0	
<b>WISTAR HAN RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
	<hr/>										
<b>0 MG/KG</b>	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	2	3	3	3	4	4	5	6	7	
	7	8	0	8	9	4	9	1	2	1	
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+		+	+	+	+	+	<b>9</b>
Oral Mucosa								+			<b>1</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Atrophy	1										<b>1 1.0</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR 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

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:16:02  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

		0	0	0	0	0	0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	0	0	0	0	0	
WISTAR HAN RATS FEMALE		9	9	9	9	9	9	9	9	9	9	
0 MG/KG		2	2	2	2	2	2	2	2	2	2	
ANIMAL ID		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	2	3	3	3	4	4	5	6	7	
		7	8	0	8	9	4	9	1	2	1	
<b>* TOTALS</b>												
Blood Vessel												1
Heart		+	+	+	+	+	+	+	+	+	+	10
<b>ENDOCRINE SYSTEM</b>												
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10
Accessory Adrenal Cortical Nodule		1					1			1		3 1.0
Adrenal Medulla		I	+	+	+	+	+	+	+	+	+	9
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland		+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10
Follicle, Hypertrophy					1							1 1.0
<b>GENERAL BODY SYSTEM</b>												
NONE												
<b>GENITAL SYSTEM</b>												
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic		1	1	1	1	1			1	1		7 1.0
Ovary		+	+	+	+	+	+	+	+	+	+	10

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Experiment Number: 20209 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

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

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 08/05/2014

Time Report Requested: 10:16:02

First Dose M/F: 08/26/08 / 08/26/08

Lab: SRI

WISTAR HAN RATS FEMALE 0 MG/KG	DAY ON TEST										* TOTALS
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	
ANIMAL ID	0 0 2 2 7	0 0 2 2 8	0 0 2 2 0	0 0 2 2 8	0 0 3 3 9	0 0 2 3 4	0 0 2 4 4	0 0 2 4 9	0 0 5 6 1	0 0 6 7 2	0 0 7 1
Uterus	+	+	+	+	+	+	+	+	+	+	10
<b>HEMATOPOIETIC SYSTEM</b>											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node Pigmentation		+	+								2 1 1.0
Lymph Node, Mandibular Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	10 1 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>											
Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+										1
<b>NERVOUS SYSTEM</b>											

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Experiment Number: 20209 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

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

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 08/05/2014

Time Report Requested: 10:16:02

First Dose M/F: 08/26/08 / 08/26/08

Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	9	9	9	9	9	9	9	9	9	9			
<b>WISTAR HAN RATS FEMALE</b>	2	2	2	2	2	2	2	2	2	2			
<b>0 MG/KG</b>	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	2	3	3	3	4	4	5	6	7			
	7	8	0	8	9	4	9	1	2	1			<b>* TOTALS</b>
Brain	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>RESPIRATORY SYSTEM</b>													
Lung	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Nose	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Trachea	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>SPECIAL SENSES SYSTEM</b>													
Eye	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>URINARY SYSTEM</b>													
Kidney	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	I			<b>9</b>

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+ .. Tissue examined microscopically

X .. Lesion present

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Experiment Number: 20209 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

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

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 08/05/2014

Time Report Requested: 10:16:02

First Dose M/F: 08/26/08 / 08/26/08

Lab: SRI

DAY ON TEST		0	0	0	0	0	0	0	0	0	
<b>WISTAR HAN RATS FEMALE</b>		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
	<b>50 MG/KG</b>	0	0	0	0	0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	3	3	4	4	4	4	4	4	
		8	9	9	1	1	1	2	2	2	3
		1	0	4	1	3	4	2	4	6	7
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Fatty Change					1	1		1			<b>3 1.0</b>
Hepatocyte, Hypertrophy	3	3	3	3	3	3	3	3	3	3	<b>10 3.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-------	---	---	---	---	---	---	---	---	---	---	-----------

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

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X .. Lesion present

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Experiment Number: 20209 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

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

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 08/05/2014

Time Report Requested: 10:16:02

First Dose M/F: 08/26/08 / 08/26/08

Lab: SRI

<b>WISTAR HAN RATS FEMALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
<b>50 MG/KG</b>		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	3	3	4	4	4	4	4	4	
		8	9	9	1	1	1	2	2	2	
		1	0	4	1	3	4	2	4	6	
<b>* TOTALS</b>											

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Accessory Adrenal Cortical Nodule									1	1		2 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicle, Hypertrophy			1					1	1	2		5 1.2

**GENERAL BODY SYSTEM**

Tissue NOS											M	0
------------	--	--	--	--	--	--	--	--	--	--	---	---

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic			1		1	1		1	1	1		6 1.0
Inflammation, Chronic Active	1											1 1.0
Ovary	+	+	+	+	+	+	+	+	+	+	10	
Uterus	+	+	+	+	+	+	+	+	+	+	10	

**HEMATOPOIETIC SYSTEM**

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X .. Lesion present

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1-4 .. Lesion qualified as:

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Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
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 Species/Strain: RATS/Wistar Han

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

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 Time Report Requested: 10:16:02  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

WISTAR HAN RATS FEMALE 50 MG/KG	DAY ON TEST										ANIMAL ID					
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2						
	0	0	0	0	0	0	0	0	0	0	0 0 3 8 1					
	+	+	+	+	+	+	+	+	+	+						
Bone Marrow																<b>10</b>
Lymph Node Popliteal, Pigmentation				+						+	1		1			<b>2</b> <b>2 1.0</b>
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+						<b>10</b>
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+						<b>10</b>
Spleen Hematopoietic Cell Proliferation Pigmentation		+	+	+	+	+	+	+	+	+	1 1					<b>10</b> <b>1 1.0</b> <b>1 1.0</b>
Thymus		+	+	+	+	+	+	+	+	+						<b>10</b>
<b>INTEGUMENTARY SYSTEM</b>																
Mammary Gland		+	+	+	+	+	+	+	+	+						<b>10</b>
Skin		+	+	+	+	+	+	+	+	+						<b>10</b>
<b>MUSCULOSKELETAL SYSTEM</b>																
Bone		+	+	+	+	+	+	+	+	+						<b>10</b>
<b>NERVOUS SYSTEM</b>																
Brain		+	+	+	+	+	+	+	+	+						<b>10</b>
<b>RESPIRATORY SYSTEM</b>																

**\* TOTALS**

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WISTAR HAN RATS FEMALE 50 MG/KG	DAY ON TEST										ANIMAL ID			
	0	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	0			
	2	2	2	2	2	2	2	2	2	2	0			
	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0	0			
	3	3	3	4	4	4	4	4	4	4	0			
	8	9	9	1	1	1	2	2	2	3	0			
	1	0	4	1	3	4	2	4	6	7	0			
												<b>* TOTALS</b>		
Lung	+											<b>10</b>		
Inflammation, Chronic		+		+		+		+		+			<b>2 1.0</b>	
Metaplasia, Osseous					+								<b>1 1.0</b>	
Nose	+											<b>10</b>		
Trachea	+											<b>10</b>		
<b>SPECIAL SENSES SYSTEM</b>														
Eye	+											<b>10</b>		
Harderian Gland	+											<b>10</b>		
<b>URINARY SYSTEM</b>														
Kidney	+											<b>10</b>		
Urinary Bladder	+											<b>10</b>		

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

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+ .. Tissue examined microscopically

X .. Lesion present

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