C Number:	MOG002B
Study Gender:	Both
PWG Approval Date	See web page for date of PWG Approval

Study Number: MOG002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA46R: Summary of Gross Pathology with Litter Incidence
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 12/13/2019
Time Report Requested: 13:29:49
Lab: RTI

F0 Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
Disposition Summary					
Animals Initially In Study	**25**	**25**	**25**	**25**	**25**
Early Deaths					
Euthanized, moribund					**1**
Scheduled Deaths					
Scheduled sacrifice, terminal (GD 24, LD 4 - 28, SD 24 - 27)	**25**	**25**	**25**	**25**	**24**
Number of Animals Examined	**25**	**25**	**25**	**25**	**25**
ALIMENTARY SYSTEM					
LIVER	(25)	(25)	(25)	(25)	(25)
DISCOLORATION; MODERATE, MOTTLED					1 (4.0%)
ENLARGED; MODERATE					1 (4.0%)
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
ADRENAL GLANDS	(25)	(25)	(25)	(25)	(25)
BILATERAL; ENLARGED; MODERATE					1 (4.0%)
GENERAL BODY SYSTEM					
COMPLETE GROSS EXAM	(25)	(25)	(25)	(25)	(25)
EXAM COMPLETE, FINDINGS LISTED			1 (4.0%)	7 (28.0%)	1 (4.0%)

F0 Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
GENITAL SYSTEM					
OVARIES	(25)	(25)	(25)	(25)	(25)
UTERINE HORN	(25)	(25)	(25)	(25)	(25)
BILATERAL; DILATION; MODERATE			1 (4.0%)	1 (4.0%)	
LEFT; DILATION; CLEAR, MILD				1 (4.0%)	
DILATION; MILD				1 (4.0%)	
BILATERAL; FLUID; CLEAR, MODERATE			1 (4.0%)	2 (8.0%)	
BILATERAL; FLUID; CLOUDY, MILD				1 (4.0%)	
LEFT; FLUID; CLEAR, MILD				1 (4.0%)	
UTERUS	(25)	(25)	(25)	(25)	(25)
VAGINA	(25)	(25)	(25)	(25)	(25)
DILATION; MODERATE				1 (4.0%)	
FLUID; CLOUDY, MODERATE	0 *			2 (8.0%)	
HEMATOLYMPHOID SYSTEM					
SPLEEN	(25)	(25)	(25)	(25)	(25)
ENLARGED; MODERATE					1 (4.0%)
NODULE					1 (4.0%)
INTEGUMENTARY SYSTEM					
MAMMARY GLANDS	(25)	(25)	(25)	(25)	(25)
INGUINAL; RIGHT; MASS; FIRM				1 (4.0%)	
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
None					

F0 Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
KIDNEYS	(25)	(25)	(25)	(25)	(25)
BILATERAL; DISCOLORATION; MILD, PALE				1 (4.0%)	
BILATERAL; DISCOLORATION; MODERATE, PALE				1 (4.0%)	
RIGHT; DISCOLORATION; MODERATE, PALE				1 (4.0%)	

Study Number: MOG002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA46R: Summary of Gross Pathology with Litter Incidence
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 12/13/2019
Time Report Requested: 13:29:49
Lab: RTI

F1 Male: Prenatal Male

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
Disposition Summary					
Animals Initially In Study	**23**	**20**	**22**	**20**	**15**
Early Deaths					
Scheduled Deaths					
Scheduled sacrifice, terminal (PND 111 - 113)	**23**	**20**	**22**	**20**	**15**
Number of Animals Examined	**23**	**20**	**22**	**20**	**15**
Total number litters	**22**	**20**	**21**	**20**	**15**
ALIMENTARY SYSTEM					
LIVER	(23)	(20)	(22)	(20)	(15)
CAUDATE PROCESS; DISCOLORATION; DARK, MODERATE	1 (4.0%) [1]			1 (5.0%) [1]	
CAUDATE PROCESS; THICKENED; MILD				1 (5.0%) [1]	
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
None					
GENERAL BODY SYSTEM					
COMPLETE GROSS EXAM	(23)	(20)	(22)	(20)	(15)
EXAM COMPLETE, FINDINGS LISTED	2 (9.0%) [2]	2 (10.0%) [2]	2 (9.0%) [2]	15 (75.0%) [15]	1 (7.0%) [1]

F1 Male: Prenatal Male

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
GENITAL SYSTEM					
COWPERS GLANDS	(23)	(20)	(22)	(20)	(15)
RIGHT; MISSING		1 (5.0%) [1]			
PENIS	(23)	(20)	(22)	(20)	(15)
DISCHARGE; GREEN, MODERATE				1 (5.0%) [1]	
FRENULUM PRESENT				1 (5.0%) [1]	
HYPOSPADIAS				1 (5.0%) [1]	
PREPUTIAL GLANDS	(23)	(20)	(22)	(20)	(15)
DISCOLORATION; MINIMAL, TAN	1 (4.0%) [1]				1 (7.0%) [1]
BILATERAL; ENLARGED; MILD					1 (7.0%) [1]
BILATERAL; ENLARGED; MINIMAL	1 (4.0%) [1]				
RIGHT; ENLARGED; MILD		1 (5.0%) [1]			
HEMATOLYMPHOID SYSTEM					
None					
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					

F1 Male: Prenatal Male

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
URINARY SYSTEM					
KIDNEYS	(23)	(20)	(22)	(20)	(15)
BILATERAL; DISCOLORATION; DARK, MINIMAL	0 **			3 (15.0%) [3]	
BILATERAL; DISCOLORATION; DARK, MODERATE				1 (5.0%) [1]	
BILATERAL; DISCOLORATION; MODERATE, MOTTLED				1 (5.0%) [1]	
LEFT; CORTEX; DISCOLORATION; MILD, PALE				1 (5.0%) [1]	
LEFT; DISCOLORATION; MINIMAL, PALE				1 (5.0%) [1]	
RIGHT; CORTEX; DISCOLORATION; MILD, PALE	0 *			2 (10.0%) [2]	
BILATERAL; ENLARGED; MILD				1 (5.0%) [1]	
BILATERAL; ENLARGED; MINIMAL	0 *			2 (10.0%) [2]	
BILATERAL; ENLARGED; MODERATE	0 *			2 (10.0%) [2]	
RIGHT; ENLARGED; MILD				1 (5.0%) [1]	
KIDNEYS, PELVIS	(23)	(20)	(22)	(20)	(15)
RIGHT; DILATION; MINIMAL			1 (5.0%) [1]		
RIGHT; DILATION; MODERATE			1 (5.0%) [1]		
URINARY BLADDER	(23)	(20)	(22)	(20)	(15)
DISCOLORATION; BROWN, MILD	0 **			3 (15.0%) [3]	
DISCOLORATION; BROWN, MINIMAL	0 **			5 (25.0%) [5] *	
DISCOLORATION; BROWN, MODERATE				1 (5.0%) [1]	

F1 Female: Prenatal Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
Disposition Summary					
Animals Initially In Study	**22**	**20**	**22**	**20**	**15**
Early Deaths					
Scheduled Deaths					
Scheduled sacrifice, terminal (GD 20 - 21, PND 109 - 123)	**22**	**20**	**22**	**20**	**15**
Number of Animals Examined	**3**	**3**	**3**	**2**	
Total number litters	**3**	**3**	**3**	**2**	
ALIMENTARY SYSTEM					
None					
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
None					
GENERAL BODY SYSTEM					
COMPLETE GROSS EXAM	(3)	(3)	(3)	(2)	(0)
EXAM COMPLETE, FINDINGS LISTED		1 (33.0%) [1]			
GENITAL SYSTEM					
UTERUS	(3)	(3)	(3)	(2)	(0)
LEFT; CYST; CLEAR		1 (33.0%) [1]			
HEMATOLYMPHOID SYSTEM					
None					
INTEGUMENTARY SYSTEM					
None					

F1 Female: Prenatal Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
None					

F1 Male: Fertility Male

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
Disposition Summary					
Animals Initially In Study	**41**	**40**	**40**	**40**	**30**
Early Deaths					
Scheduled Deaths					
Scheduled sacrifice, terminal (PND 153 - 155)	**41**	**40**	**40**	**40**	**30**
Number of Animals Examined	**41**	**40**	**40**	**40**	**30**
Total number litters	**22**	**20**	**21**	**20**	**15**
ALIMENTARY SYSTEM					
LIVER	(41)	(40)	(40)	(40)	(30)
LATERAL LOBE; LEFT; DISCOLORATION; MILD, PALE				1 (3.0%) [1]	
LATERAL LOBE; DISCOLORATION; MODERATE, PALE					1 (3.0%) [1]
MEDIAL LOBE; NODULE			1 (3.0%) [1]		
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
ADRENAL GLANDS	(41)	(40)	(40)	(40)	(30)
PITUITARY GLAND	(41)	(40)	(40)	(40)	(30)
THYROID GLANDS	(41)	(40)	(40)	(40)	(30)
GENERAL BODY SYSTEM					
FAT	(41)	(40)	(40)	(40)	(30)
ABDOMINAL; DISCOLORATION; BROWN, MILD				1 (3.0%) [1]	
DISCOLORATION; MILD, YELLOW					1 (3.0%) [1]

F1 Male: Fertility Male

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
GENITAL SYSTEM					
COAGULATING GLANDS	(41)	(40)	(40)	(40)	(30)
COWPERS GLANDS	(41)	(40)	(40)	(40)	(30)
DORSAL PROSTATE	(41)	(40)	(40)	(40)	(30)
EPIDIDYMIDES	(41)	(40)	(40)	(40)	(30)
BILATERAL; REDUCED IN SIZE; MILD			1 (3.0%) [1]	1 (3.0%) [1]	
LEVATOR ANI PLUS BULBOCAVERNOSUS MUSCLE	(41)	(40)	(40)	(40)	(30)
PENIS	(41)	(40)	(40)	(40)	(30)
PREPUTIAL GLANDS	(41)	(40)	(40)	(40)	(30)
BILATERAL; DISCOLORATION; GREEN, MINIMAL		1 (3.0%) [1]			
BILATERAL; DISCOLORATION; MILD, TAN	3 (7.0%) [3]	1 (3.0%) [1]	2 (5.0%) [2]	3 (8.0%) [3]	3 (10.0%) [2]
BILATERAL; DISCOLORATION; MINIMAL, TAN		2 (5.0%) [2]	1 (3.0%) [1]	1 (3.0%) [1]	1 (3.0%) [1]
LEFT; DISCOLORATION; MILD, TAN	1 (2.0%) [1]				
RIGHT; DISCOLORATION; GREEN, MILD	1 (2.0%) [1]				
RIGHT; DISCOLORATION; MILD, TAN	1 (2.0%) [1]				
RIGHT; DISCOLORATION; MINIMAL, TAN		1 (3.0%) [1]			
RIGHT; DISCOLORATION; MODERATE, TAN	1 (2.0%) [1]				
LEFT; ENLARGED; MILD					1 (3.0%) [1]
LEFT; NODULE			1 (3.0%) [1]		
SEMINAL VESICLES	(41)	(40)	(40)	(40)	(30)
TESTES	(41)	(40)	(40)	(40)	(30)
BILATERAL; REDUCED IN SIZE; MILD			1 (3.0%) [1]		
BILATERAL; REDUCED IN SIZE				1 (3.0%) [1]	
VENTRAL PROSTATE	(41)	(40)	(40)	(40)	(30)
HEMATOLYMPHOID SYSTEM					
SPLEEN	(41)	(40)	(40)	(40)	(30)
ENLARGED; MODERATE		1 (3.0%) [1]			

F1 Male: Fertility Male

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
INTEGUMENTARY SYSTEM					
SKIN	(41)	(40)	(40)	(40)	(30)
BILATERAL; FORELIMB; ALOPECIA; MILD				1 (3.0%) [1]	
NECK; ULCER; MINIMAL			1 (3.0%) [1]		
MUSCULOSKELETAL SYSTEM					
BONE	(41)	(40)	(40)	(40)	(30)
DEFORMITY; MODERATE			1 (3.0%) [1]		
DIAPHRAGM	(41)	(40)	(40)	(40)	(30)
MEDIAL LOBE; HERNIA; MILD					1 (3.0%) [1]
MEDIAL LOBE; HERNIA; MINIMAL				1 (3.0%) [1]	
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					

F1 Male: Fertility Male

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
URINARY SYSTEM					
KIDNEYS	(41)	(40)	(40)	(40)	(30)
LEFT; CYST; 3, CLEAR				1 (3.0%) [1]	
LEFT; PELVIS; DILATION; MILD				1 (3.0%) [1]	
RIGHT; PELVIS; DILATION; MILD	1 (2.0%) [1]				
BILATERAL; DISCOLORATION; DARK, MILD	0 **			9 (23.0%) [8] *	
BILATERAL; DISCOLORATION; DARK, MINIMAL				2 (5.0%) [2]	
BILATERAL; DISCOLORATION; DARK, MODERATE	0 *			4 (10.0%) [4]	
BILATERAL; DISCOLORATION; MILD, PALE				1 (3.0%) [1]	
LEFT; DISCOLORATION; DARK, MODERATE				1 (3.0%) [1]	
LEFT; DISCOLORATION; MILD, PALE				1 (3.0%) [1]	
LEFT; DISCOLORATION; MINIMAL, PALE				1 (3.0%) [1]	
RIGHT; DISCOLORATION; DARK, MILD				1 (3.0%) [1]	
RIGHT; DISCOLORATION; DARK, MINIMAL				2 (5.0%) [2]	
RIGHT; DISCOLORATION; DARK, MODERATE				1 (3.0%) [1]	
RIGHT; DISCOLORATION; MILD, PALE				2 (5.0%) [2]	
BILATERAL; ENLARGED; MILD			1 (3.0%) [1]	1 (3.0%) [1]	
BILATERAL; CORTEX; LESION; MILD, ROUGHENED			1 (3.0%) [1]		
BILATERAL; PELVIS; SUBSTANCE; MILD, RED				1 (3.0%) [1]	
RIGHT; PELVIS; SUBSTANCE; BROWN, MILD				1 (3.0%) [1]	
RIGHT; PELVIS; SUBSTANCE; MILD, RED				1 (3.0%) [1]	
RIGHT; PELVIS; SUBSTANCE; MODERATE, RED				1 (3.0%) [1]	
RIGHT; SUBSTANCE; MINIMAL, RED				1 (3.0%) [1]	
URINARY BLADDER	(41)	(40)	(40)	(40)	(30)
DISCOLORATION; BROWN, MARKED				1 (3.0%) [1]	
DISCOLORATION; BROWN, MILD	0 **			6 (15.0%) [6]	
DISCOLORATION; BROWN, MINIMAL	0 **			6 (15.0%) [6]	
DISCOLORATION; BROWN, MODERATE				3 (8.0%) [3]	

F1 Female: Fertility Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
Disposition Summary					
Animals Initially In Study	**41**	**40**	**40**	**40**	**30**
Early Deaths					
Scheduled Deaths					
Scheduled sacrifice, terminal (GD 24, LD 28, PND 127 - 143)	**41**	**40**	**40**	**40**	**30**
Number of Animals Examined	**41**	**40**	**40**	**40**	**30**
Total number litters	**22**	**20**	**21**	**20**	**15**
ALIMENTARY SYSTEM					
LIVER	(41)	(40)	(40)	(40)	(30)
ADHESION; MILD				1 (3.0%) [1]	
PANCREAS	(41)	(40)	(40)	(40)	(30)
ADHESION; MILD				1 (3.0%) [1]	
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
ADRENAL GLANDS	(41)	(40)	(40)	(40)	(30)
BILATERAL; DISCOLORATION; MODERATE, PALE				1 (3.0%) [1]	
RIGHT; REDUCED IN SIZE; MILD			1 (3.0%) [1]		
PITUITARY GLAND	(41)	(40)	(40)	(40)	(30)
THYROID GLANDS	(41)	(40)	(40)	(40)	(30)
GENERAL BODY SYSTEM					
COMPLETE GROSS EXAM	(6)	(3)	(7)	(8)	(2)
FAT	(41)	(40)	(40)	(40)	(30)
DISCOLORATION; MILD, YELLOW		1 (3.0%) [1]			
ABDOMINAL; NODULE; DARK		1 (3.0%) [1]			

F1 Female: Fertility Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
GENITAL SYSTEM					
CERVIX	(41)	(40)	(40)	(40)	(30)
CLITORAL GLANDS	(41)	(40)	(40)	(40)	(30)
LEFT; DISCOLORATION; MILD, TAN			1 (3.0%) [1]		1 (3.0%) [1]
LEFT; DISCOLORATION; MINIMAL, TAN		1 (3.0%) [1]			
RIGHT; DISCOLORATION; MILD, TAN	1 (2.0%) [1]				
OVARIES	(41)	(40)	(40)	(40)	(30)
LEFT; DISCOLORATION; FOCAL, MILD, PALE					1 (3.0%) [1]
UTERUS	(41)	(40)	(40)	(40)	(30)
LEFT; MASS	1 (2.0%) [1]				
VAGINA	(41)	(40)	(40)	(40)	(30)
HEMATOLYMPHOID SYSTEM					
LYMPH NODE, MANDIBULAR	(41)	(40)	(40)	(40)	(30)
DISCOLORATION; MODERATE, RED				1 (3.0%) [1]	
SPLEEN	(41)	(40)	(40)	(40)	(30)
ENLARGED; MINIMAL	1 (2.0%) [1]				
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
DIAPHRAGM	(41)	(40)	(40)	(40)	(30)
LATERAL LOBE; LEFT; HERNIA; MODERATE				1 (3.0%) [1]	
MEDIAL LOBE; LEFT; HERNIA; MILD		2 (5.0%) [2]	1 (3.0%) [1]		
MEDIAL LOBE; HERNIA; MODERATE				1 (3.0%) [1]	
HERNIA; MILD				1 (3.0%) [1]	
NERVOUS SYSTEM					
None					

F1 Female: Fertility Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
KIDNEYS	(41)	(40)	(40)	(40)	(30)
LEFT; PELVIS; DILATION; MARKED				1 (3.0%) [1]	
RIGHT; PELVIS; DILATION; MILD				1 (3.0%) [1]	
RIGHT; PELVIS; DILATION; MODERATE		1 (3.0%) [1]			
BILATERAL; DISCOLORATION; DARK, MODERATE				1 (3.0%) [1]	
BILATERAL; DISCOLORATION; MILD, MOTTLED		2 (5.0%) [2]			
BILATERAL; DISCOLORATION; MILD, PALE				2 (5.0%) [2]	
BILATERAL; DISCOLORATION; MODERATE, PALE				1 (3.0%) [1]	
LEFT; DISCOLORATION; MODERATE, PALE				2 (5.0%) [2]	
RIGHT; DISCOLORATION; DARK, MARKED				1 (3.0%) [1]	
RIGHT; DISCOLORATION; MILD, PALE				2 (5.0%) [1]	
RIGHT; ENLARGED; MODERATE				1 (3.0%) [1]	
RIGHT; SURFACE; IRREGULAR				1 (3.0%) [1]	
LEFT; PELVIS; SUBSTANCE; MARKED, YELLOW				1 (3.0%) [1]	
URETERS	(41)	(40)	(40)	(40)	(30)
BILATERAL; DILATION; MODERATE				1 (3.0%) [1]	
URINARY BLADDER	(41)	(40)	(40)	(40)	(30)
ENLARGED; MILD				1 (3.0%) [1]	

F2 Male

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
Disposition Summary					
Animals Initially In Study	**91**	**110**	**101**	**88**	**87**
Early Deaths					
Scheduled Deaths					
Scheduled sacrifice, terminal (PND 28)	**91**	**110**	**101**	**88**	**87**
Number of Animals Examined	**91**	**110**	**101**	**88**	**87**
Total number litters	**30**	**34**	**32**	**30**	**27**
ALIMENTARY SYSTEM					
LIVER	(91)	(110)	(101)	(88)	(87)
RIGHT; MEDIAL LOBE; FRACTURE; MODERATE		1 (1.0%) [1]			
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
None					
GENERAL BODY SYSTEM					
COMPLETE GROSS EXAM	(91)	(110)	(101)	(88)	(87)
EXAM COMPLETE, FINDINGS LISTED	2 (2.0%) [2]	5 (5.0%) [4]	6 (6.0%) [6]	6 (7.0%) [6]	4 (5.0%) [4]
GENITAL SYSTEM					
TESTES	(91)	(110)	(101)	(88)	(87)
BILATERAL; REDUCED IN SIZE; MINIMAL					1 (1.0%) [1]
LEFT; REDUCED IN SIZE; MARKED				1 (1.0%) [1]	
RIGHT; REDUCED IN SIZE; MILD					1 (1.0%) [1]
BILATERAL; UNDESCENDED		1 (1.0%) [1]		1 (1.0%) [1]	
LEFT; UNDESCENDED		3 (3.0%) [3]	2 (2.0%) [2]		
RIGHT; UNDESCENDED			1 (1.0%) [1]	1 (1.0%) [1]	

F2 Male

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
HEMATOLYMPHOID SYSTEM					
None					
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
DIAPHRAGM	(91)	(110)	(101)	(88)	(87)
MEDIAL LOBE; LEFT; HERNIA; MILD					1 (1.0%) [1]
MEDIAL LOBE; LEFT; HERNIA; MODERATE				1 (1.0%) [1]	
MEDIAL LOBE; RIGHT; HERNIA; MILD				1 (1.0%) [1]	
MEDIAL LOBE; HERNIA; MINIMAL				1 (1.0%) [1]	
LIMB	(91)	(110)	(101)	(88)	(87)
FORELIMB; RIGHT; DEFORMITY; MODERATE	1 (1.0%) [1]				
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
KIDNEYS	(91)	(110)	(101)	(88)	(87)
RIGHT; PELVIS; DILATION; MILD	1 (1.0%) [1]		1 (1.0%) [1]		
RIGHT; PELVIS; DILATION; MODERATE			1 (1.0%) [1]		1 (1.0%) [1]
LEFT; DISCOLORATION; MILD, MOTTLED			1 (1.0%) [1]		

F2 Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
Disposition Summary					
Animals Initially In Study	**94**	**95**	**85**	**86**	**91**
Early Deaths					
Scheduled Deaths					
Scheduled sacrifice, terminal (PND 28)	**94**	**95**	**85**	**86**	**91**
Number of Animals Examined	**94**	**95**	**85**	**86**	**91**
Total number litters	**30**	**32**	**32**	**28**	**26**
ALIMENTARY SYSTEM					
None					
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
None					
GENERAL BODY SYSTEM					
COMPLETE GROSS EXAM	(94)	(95)	(85)	(86)	(91)
EXAM COMPLETE, FINDINGS LISTED	2 (2.0%) [2]	1 (1.0%) [1]		8 (9.0%) [5]	2 (2.0%) [2]
GENITAL SYSTEM					
None					
HEMATOLYMPHOID SYSTEM					
None					
INTEGUMENTARY SYSTEM					
None					

F2 Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
MUSCULOSKELETAL SYSTEM					
LIMB	(94)	(95)	(85)	(86)	(91)
FORELIMB; LEFT; DEFORMITY; MODERATE	1 (1.0%) [1]				1 (1.0%) [1]
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
EYES	(94)	(95)	(85)	(86)	(91)
LEFT; MISSING		1 (1.0%) [1]			
URINARY SYSTEM					
KIDNEYS	(94)	(95)	(85)	(86)	(91)
LEFT; PELVIS; DILATION; MILD				1 (1.0%) [1]	
LEFT; PELVIS; DILATION; MODERATE				1 (1.0%) [1]	
RIGHT; PELVIS; DILATION; MILD				1 (1.0%) [1]	
RIGHT; PELVIS; DILATION; MINIMAL				1 (1.0%) [1]	
RIGHT; PELVIS; DILATION; MODERATE				2 (2.0%) [2]	
LEFT; DISCOLORATION; MILD, PALE				1 (1.0%) [1]	
LEFT; DISCOLORATION; MINIMAL, MOTTLED	1 (1.0%) [1]				
LEFT; ENLARGED; MINIMAL				1 (1.0%) [1]	
FOCUS; MINIMAL, WHITE	1 (1.0%) [1]				
RIGHT; MASS; WHITE					1 (1.0%) [1]
URINARY BLADDER	(94)	(95)	(85)	(86)	(91)
DISCOLORATION; MILD, RED				1 (1.0%) [1]	
LUMEN; SUBSTANCE; BROWN, MINIMAL				1 (1.0%) [1]	

LEGEND

Number of animals examined for each tissue shown in parentheses. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion. The exception to this is if statistical significance is found for a lesion and the control group has no animals with the lesion then a 0 is included for the control group on the table for that lesion.

Number (percent) of animals affected given for each observation

Number of litters with observations shown in square brackets for F1 and F2 animals. F1 litter incidence based on the number of F0 dams; F2 litter incidence based on number of F1 dams.

Phase day range of terminal sacrifice shown in parentheses in disposition summary

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

No p-values are reported unless there are at least two observations in one or more of the dose groups

All trend and pairwise p-values are reported as one-sided.

Trend significance is reported only for those organs that were fully examined in the control group plus two or more other dose groups. For organs that were fully examined in just the control and one other dose group, only the pairwise significance is reported.

For some animals in the middle dose groups, an organ was analyzed only after a gross lesion was detected. These findings were not analyzed statistically against the control group.

Lesions in the F0 generation animals were analyzed using the Poly-3 trend and pairwise statistics.

Lesions in the F1 generation animals were analyzed using a Cochran-Armitage test with a poly-3 adjustment for age and a Rao-Scott modification for the random effect due to litter.

Lesions in the F2 animals were analyzed using a Cochran-Armitage test with a Rao-Scott modification for the random effect due to litter.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at P <= 0.05

** Statistically significant at P <= 0.01

The EE group was not included in any trend analysis, it was included in the pairwise analysis to the control group.

Non-pregnant females from the F0 and F1 generations are included in the analysis.

EE = Ethinyl estradiol

** END OF REPORT **