

Study Number: MOG003B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

C Number:

Study Gender:

PWG Approval Date

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence

Test Compound: 2-Ethylhexyl p-Methoxycinnamate

CAS Number: 5466-77-3

MOG003B

Both

See web page for date of PWG Approval

Date Report Requested: 01/14/2020

Time Report Requested: 10:27:44

Lab: RTI

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	F0 Female			
	Treatment Groups (ppm)			
	0	1000	3000	6000
Disposition Summary				
Animals Initially In Study	26	26	26	26
Early Deaths				
Unscheduled Sacrifice	1			1
Scheduled Deaths				
Scheduled sacrifice, terminal (LD 28, SD 24 - 27)	25	26	26	25
Animals Examined Microscopically	3		1	1
ALIMENTARY SYSTEM				
LIVER	(3)	(0)	(0)	(0)
HEPATODIAPHRAGMATIC NODULE	1 (33%)			
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
UTERINE HORN	(0)	(0)	(1)	(0)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				

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	F0 Female			
	Treatment Groups (ppm)			
	0	1000	3000	6000
RESPIRATORY SYSTEM No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
EYES	(0)	(0)	(0)	(1)
RETINA; ATROPHY				1 (100%)
URINARY SYSTEM No Tissues/Organs Examined				

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F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	1000	3000	6000
Disposition Summary				
Animals Initially In Study	10	10	10	10
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 110 - 112)	10	10	10	10
Animals Examined Microscopically	10	1	2	10
Total number litters	10	1	2	10

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F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	1000	3000	6000
ALIMENTARY SYSTEM				
ESOPHAGUS	(10)	(0)	(0)	(10)
INTESTINE, CECUM	(10)	(0)	(0)	(10)
INTESTINE, COLON	(10)	(0)	(0)	(10)
INTESTINE, DUODENUM	(10)	(0)	(0)	(10)
INTESTINE, ILEUM	(10)	(0)	(0)	(10)
PEYERS PATCH; HYPERPLASIA; LYMPHOCYTE				1 (10%) [1]
INTESTINE, JEJUNUM	(10)	(0)	(0)	(10)
INTESTINE, RECTUM	(10)	(0)	(0)	(10)
LIVER	(10)	(0)	(1)	(10)
HEPATODIAPHRAGMATIC NODULE	1 (10%) [1]			
INFILTRATION CELLULAR; MONONUCLEAR CELL	1 (10%) [1]			1 (10%) [1]
INFLAMMATION; FOCAL				1 (10%) [1]
HEPATOCTE; CENTRILOBULAR; NECROSIS			1 (100%) [1]	
PANCREAS	(10)	(0)	(0)	(10)
SALIVARY GLANDS	(10)	(0)	(0)	(10)
STOMACH, FORESTOMACH	(10)	(0)	(0)	(10)
EPITHELIUM; HYPERPLASIA; DIFFUSE	1 (10%) [1]			
MUSCULARIS; MINERAL	1 (10%) [1]			
STOMACH, GLANDULAR	(10)	(0)	(0)	(10)
GLANDS; DILATION	2 (20%) [2]			2 (20%) [2]
CARDIOVASCULAR SYSTEM				
AORTA	(10)	(0)	(0)	(10)
HEART	(10)	(0)	(0)	(10)
CARDIOMYOPATHY	4 (40%) [4]			1 (10%) [1]
EPICARDIUM; INFLAMMATION, CHRONIC	1 (10%) [1]			2 (20%) [2]

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F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	1000	3000	6000
ENDOCRINE SYSTEM				
ADRENAL CORTEX	(10)	(0)	(0)	(10)
UNILATERAL; HYPERPLASIA	1 (10%) [1]			
ADRENAL MEDULLA	(10)	(0)	(0)	(10)
PARATHYROID GLANDS	(10)	(0)	(0)	(10)
PITUITARY GLAND	(10)	(0)	(0)	(10)
THYROID GLANDS	(10)	(0)	(0)	(10)
UNILATERAL; CYST	1 (10%) [1]			
BILATERAL; ECTOPIC TISSUE, THYMUS	1 (10%) [1]			
ECTOPIC TISSUE, THYMUS				2 (20%) [2]
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

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F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	1000	3000	6000
GENITAL SYSTEM				
COAGULATING GLANDS	(10)	(0)	(0)	(10)
DORSAL PROSTATE	(10)	(0)	(0)	(10)
EPIDIDYMIDES	(10)	(1)	(0)	(10)
DUCT; UNILATERAL; EXFOLIATED GERM CELL UNILATERAL; HYOSPERMIA		1 (100%) [1]		
BILATERAL; INFILTRATION CELLULAR; MONONUCLEAR CELL	2 (20%) [2]			1 (10%) [1]
UNILATERAL; INFILTRATION CELLULAR; MONONUCLEAR CELL	4 (40%) [4]			1 (10%) [1]
EPITHELIUM; BILATERAL; VACUOLATION	2 (20%) [2]			2 (20%) [2]
PREPUTIAL GLANDS	(10)	(0)	(0)	(10)
DUCT; BILATERAL; DILATION				1 (10%) [1]
DUCT; UNILATERAL; DILATION	1 (10%) [1]			2 (20%) [2]
UNILATERAL; INFLAMMATION SUPPURATIVE	1 (10%) [1]			
UNILATERAL; INFLAMMATION, CHRONIC	2 (20%) [2]			1 (10%) [1]
BILATERAL; INFLAMMATION, SUPPURATIVE				1 (10%) [1]
SEMINAL VESICLES	(10)	(0)	(0)	(10)
TESTES	(10)	(1)	(0)	(10)
GERMINAL EPITHELIUM; UNILATERAL; ATROPHY	1 (10%) [1]	1 (100%) [1]		1 (10%) [1]
INTERSTITIUM; UNILATERAL; EDEMA		1 (100%) [1]		
VENTRAL PROSTATE	(10)	(0)	(0)	(10)
BILATERAL; INFILTRATION CELLULAR; MONONUCLEAR CELL	1 (10%) [1]			2 (20%) [2]
UNILATERAL; INFILTRATION CELLULAR; MONONUCLEAR CELL	2 (20%) [2]			1 (10%) [1]
BILATERAL; INFLAMMATION, CHRONIC	3 (30%) [3]			4 (40%) [4]

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F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	1000	3000	6000
HEMATOLYMPHOID SYSTEM				
BONE MARROW, FEMUR	(10)	(0)	(0)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(10)
LYMPH NODE, MESENTERIC	(10)	(0)	(0)	(9)
SPLEEN	(10)	(0)	(0)	(10)
THYMUS	(10)	(0)	(0)	(10)
EPITHELIUM; HYPERPLASIA	1 (10%) [1]			1 (10%) [1]
INTEGUMENTARY SYSTEM				
MAMMARY GLANDS	(7)	(0)	(0)	(9)
SKIN	(10)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM				
BONE, FEMUR	(10)	(0)	(0)	(10)
NASAL TURBINATES	(10)	(0)	(0)	(9)
NERVOUS SYSTEM				
BRAIN	(10)	(0)	(0)	(10)
RESPIRATORY SYSTEM				
LUNG	(10)	(0)	(0)	(10)
BRONCHIOLE; HYPERPLASIA; NEUROENDOCRINE	1 (10%) [1]			
ALVEOLUS; INFILTRATION CELLULAR, HISTIOCYTE	1 (10%) [1]			1 (10%) [1]
INFLAMMATION, ACUTE				1 (10%) [1]
PLEURA; INFLAMMATION, CHRONIC				1 (10%) [1]
SUBPLEURAL; INFLAMMATION, CHRONIC				1 (10%) [1]
NOSE	(0)	(0)	(0)	(1)
TURBINATE; FOREIGN BODY				1 (100%) [1]
TRACHEA	(10)	(0)	(0)	(10)
GLANDS; DILATION	1 (10%) [1]			1 (10%) [1]
INFILTRATION CELLULAR; MONONUCLEAR CELL	1 (10%) [1]			

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F1 Male: Subchronic Male

	Treatment Groups (ppm)			
	0	1000	3000	6000
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SPECIAL SENSES SYSTEM				
EYES	(10)	(0)	(0)	(10)
HARDERIAN GLANDS	(10)	(0)	(0)	(10)
ZYMBALS GLANDS	(10)	(0)	(0)	(10)
<hr/>				
URINARY SYSTEM				
KIDNEYS	(10)	(0)	(1)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY	9 (90%) [9]		1 (100%) [1]	10 (100%) [10]
PELVIS; DILATION	2 (20%) [2]		1 (100%) [1]	
URINARY BLADDER	(10)	(0)	(0)	(10)

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F1 Female: Subchronic Female

	Treatment Groups (ppm)			
	0	1000	3000	6000
Disposition Summary				
Animals Initially In Study	10	10	10	10
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 111 - 113)	10	10	10	10
Animals Examined Microscopically	10	3	3	10
Total number litters	10	3	3	10

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F1 Female: Subchronic Female

	Treatment Groups (ppm)			
	0	1000	3000	6000
ALIMENTARY SYSTEM				
ESOPHAGUS	(10)	(0)	(0)	(10)
INTESTINE, CECUM	(10)	(0)	(0)	(10)
INTESTINE, COLON	(10)	(0)	(0)	(10)
INTESTINE, DUODENUM	(10)	(0)	(0)	(10)
INTESTINE, ILEUM	(10)	(0)	(0)	(10)
INTESTINE, JEJUNUM	(10)	(0)	(0)	(10)
INTESTINE, RECTUM	(10)	(0)	(0)	(10)
LIVER	(10)	(0)	(1)	(10)
HEPATODIAPHRAGMATIC NODULE			1 (100%) [1]	
BILE DUCT; HYPERPLASIA				1 (10%) [1]
INFILTRATION CELLULAR; MONONUCLEAR CELL	2 (20%) [2]			2 (20%) [2]
INFLAMMATION; FOCAL	1 (10%) [1]			1 (10%) [1]
INFLAMMATION, CHRONIC				1 (10%) [1]
PANCREAS	(10)	(0)	(0)	(10)
SALIVARY GLANDS	(10)	(1)	(0)	(10)
SUBLINGUAL GLAND; UNILATERAL; INFILTRATION CELLULAR; MONONUCLEAR CELL	1 (10%) [1]			
STOMACH, FORESTOMACH	(10)	(0)	(0)	(10)
STOMACH, GLANDULAR	(10)	(0)	(0)	(10)
GLANDS; CYST				1 (10%) [1]
GLANDS; DILATION	2 (20%) [2]			1 (10%) [1]
EROSION				1 (10%) [1]
CARDIOVASCULAR SYSTEM				
AORTA	(10)	(0)	(0)	(10)
HEART	(10)	(0)	(0)	(10)
EPICARDIUM; INFLAMMATION, CHRONIC	1 (10%) [1]			

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F1 Female: Subchronic Female

	Treatment Groups (ppm)			
	0	1000	3000	6000
ENDOCRINE SYSTEM				
ADRENAL CORTEX	(10)	(0)	(0)	(10)
ADRENAL MEDULLA	(10)	(0)	(0)	(10)
PARATHYROID GLANDS	(10)	(0)	(0)	(10)
PITUITARY GLAND	(10)	(0)	(0)	(10)
PARS DISTALIS; CYST				1 (10%) [1]
PARS NERVOSA; DEVELOPMENTAL MALFORMATION				1 (10%) [1]
THYROID GLANDS	(10)	(0)	(0)	(10)
UNILATERAL; CYST				1 (10%) [1]
ECTOPIC TISSUE, THYMUS	1 (10%) [1]			1 (10%) [1]
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
CERVIX	(10)	(0)	(0)	(10)
CLITORAL GLANDS	(10)	(2)	(2)	(10)
DUCT; BILATERAL; DILATION		1 (50%) [1]	1 (50%) [1]	1 (10%) [1]
DUCT; UNILATERAL; DILATION		1 (50%) [1]	1 (50%) [1]	1 (10%) [1]
UNILATERAL; INFILTRATION CELLULAR; MONONUCLEAR CELL				1 (10%) [1]
BILATERAL; INFLAMMATION, CHRONIC	3 (30%) [3]			
UNILATERAL; INFLAMMATION, CHRONIC				1 (10%) [1]
OVARIES	(10)	(0)	(0)	(10)
FOLLICLE; UNILATERAL; CYST	2 (20%) [2]			1 (10%) [1]
UTERINE HORN	(10)	(0)	(0)	(10)
UTERUS	(10)	(0)	(0)	(10)
ENDOMETRIUM; CYST	1 (10%) [1]			
VAGINA	(10)	(0)	(0)	(10)

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F1 Female: Subchronic Female

	Treatment Groups (ppm)			
	0	1000	3000	6000
HEMATOLYMPHOID SYSTEM				
BONE MARROW, FEMUR	(10)	(0)	(0)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(10)
LYMPH NODE, MESENTERIC	(10)	(0)	(0)	(10)
SPLEEN	(10)	(0)	(0)	(10)
THYMUS	(10)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM				
MAMMARY GLANDS	(10)	(0)	(0)	(10)
SKIN	(10)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM				
BONE, FEMUR	(10)	(0)	(0)	(10)
NASAL TURBINATES	(9)	(0)	(0)	(10)
NERVOUS SYSTEM				
BRAIN	(10)	(0)	(0)	(10)
RESPIRATORY SYSTEM				
LUNG	(10)	(0)	(0)	(10)
ALVEOLUS; INFILTRATION CELLULAR, HISTIOCYTE	4 (40%) [4]			
METAPLASIA; OSSEOUS	1 (10%) [1]			
NOSE	(1)	(0)	(0)	(0)
RESPIRATORY EPITHELIUM; CYST	1 (100%) [1]			
TRACHEA	(10)	(0)	(0)	(10)
GLANDS; DILATION				2 (20%) [2]
INFILTRATION CELLULAR; MONONUCLEAR CELL				2 (20%) [2]

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F1 Female: Subchronic Female

	Treatment Groups (ppm)			
	0	1000	3000	6000
SPECIAL SENSES SYSTEM				
EYES	(10)	(0)	(0)	(10)
HARDERIAN GLANDS	(10)	(0)	(0)	(10)
INFILTRATION CELLULAR; MONONUCLEAR CELL				1 (10%) [1]
ZYMBALS GLANDS	(10)	(0)	(0)	(9)
DUCT; DILATION	1 (10%) [1]			
URINARY SYSTEM				
KIDNEYS	(10)	(0)	(0)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY	8 (80%) [8]			8 (80%) [8]
CORTICOMEDULLARY JUNCTION; MINERAL	9 (90%) [9]			9 (90%) [9]
NEPHROBLASTEMATOSIS				1 (10%) [1]
URINARY BLADDER	(9)	(0)	(0)	(10)

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F1 Male: Prenatal Male

	Treatment Groups (ppm)			
	0	1000	3000	6000
Disposition Summary				
Animals Initially In Study	21	23	20	22
Early Deaths				
Unscheduled Sacrifice			1	
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 112 - 114)	21	23	19	22
Animals Examined Microscopically	5	3	2	2
Total number litters	5	3	2	2
ALIMENTARY SYSTEM				
No Tissues/Organs Examined				
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
COWPERS GLANDS	(0)	(0)	(0)	(1)
LEVATOR ANI PLUS BULBOCAVERNOSUS MUSCLE	(2)	(2)	(0)	(0)
INFLAMMATION, CHRONIC		2 (100%) [2]		
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				

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F1 Female: Prenatal Female

	Treatment Groups (ppm)			
	0	1000	3000	6000
Disposition Summary				
Animals Initially In Study	21	23	19	22
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (GD 21, PND 109 - 132)	21	23	19	22
Animals Examined Microscopically	3		1	1
Total number litters	3		1	1
ALIMENTARY SYSTEM				
LIVER	(3)	(0)	(1)	(0)
HEPATODIAPHRAGMATIC NODULE	1 (33%) [1]		1 (100%) [1]	
HEPATOCTE; NECROSIS; SUBCAPSULAR	1 (33%) [1]			
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
No Tissues/Organs Examined				
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				

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F1 Female: Prenatal Female

Treatment Groups (ppm)

0

1000

3000

6000

NERVOUS SYSTEM

No Tissues/Organs Examined

RESPIRATORY SYSTEM

No Tissues/Organs Examined

SPECIAL SENSES SYSTEM

EYES

(0)

(0)

(0)

(1)

URINARY SYSTEM

No Tissues/Organs Examined

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F1 Male: Fertility Males

	Treatment Groups (ppm)			
	0	1000	3000	6000
Disposition Summary				
Animals Initially In Study	36	46	35	37
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 160 - 167)	36	46	35	37
Animals Examined Microscopically	36	46	35	37
Total number litters	21	24	19	22
ALIMENTARY SYSTEM				
ESOPHAGUS	(3)	(0)	(0)	(0)
DILATION	1 (33%) [1]			
INTESTINE, COLON	(3)	(0)	(0)	(0)
DIVERTICULUM	1 (33%) [1]			
LIVER	(3)	(2)	(1)	(1)
HEPATODIAPHRAGMATIC NODULE	1 (33%) [1]	2 (100%) [2]	1 (100%) [1]	1 (100%) [1]
INFILTRATION CELLULAR; MONONUCLEAR CELL	1 (33%) [1]			
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG003B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence
Test Compound: 2-Ethylhexyl p-Methoxycinnamate
CAS Number: 5466-77-3

Date Report Requested: 01/14/2020
Time Report Requested: 10:27:44
Lab: RTI

F1 Male: Fertility Males

	Treatment Groups (ppm)			
	0	1000	3000	6000
ENDOCRINE SYSTEM				
ADRENAL CORTEX	(36)	(0)	(0)	(37)
UNILATERAL; ANGIECTASIS	1 (3%) [1]			
UNILATERAL; HYPERPLASIA, FOCAL				1 (3%) [1]
BILATERAL; HYPERTROPHY; FOCAL	1 (3%) [1]			
BILATERAL; VACUOLIZATION CYTOPLASMIC, DIFFUSE	8 (22%) [6]			3 (8%) [3]
ADRENAL MEDULLA	(36)	(0)	(0)	(37)
UNILATERAL; ANGIECTASIS	1 (3%) [1]			
PITUITARY GLAND	(36)	(0)	(0)	(37)
PARS DISTALIS; CYST				3 (8%) [3]
THYROID GLANDS	(36)	(0)	(0)	(37)
FOLLICLE; DYSPLASIA	1 (3%) [1]			
ECTOPIC TISSUE, THYMUS				1 (3%) [1]
C-CELL; HYPERPLASIA	1 (3%) [1]			
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG003B

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence

Date Report Requested: 01/14/2020

Test Type: MOG

Test Compound: 2-Ethylhexyl p-Methoxycinnamate

Time Report Requested: 10:27:44

Route: Dosing in Feed

CAS Number: 5466-77-3

Lab: RTI

Species/Strain: Rat/Sprague-Dawley

F1 Male: Fertility Males

	Treatment Groups (ppm)			
	0	1000	3000	6000
GENITAL SYSTEM				
COAGULATING GLANDS	(36)	(46)	(35)	(37)
COWPERS GLANDS	(36)	(3)	(0)	(37)
DEPLETION; SECRETORY	1 (3%) [1]			
DORSAL PROSTATE	(36)	(46)	(35)	(37)
UNILATERAL; INFLAMMATION, SUPPURATIVE		1 (2%) [1]	1 (3%) [1]	1 (3%) [1]
EPIDIDYMIDES	(36)	(46)	(35)	(37)
DUCT; EXFOLIATED GERM CELL	3 (8%) [3]	1 (2%) [1]	1 (3%) [1]	1 (3%) [1]
GRANULOMA SPERM				1 (3%) [1]
HYOSPERMIA		1 (2%) [1]		2 (5%) [2]
INFILTRATION CELLULAR; MONONUCLEAR CELL	4 (11%) [4]		1 (3%) [1]	6 (16%) [5]
LEVATOR ANI PLUS BULBOCAVERNOSUS MUSCLE	(36)	(0)	(0)	(37)
PREPUTIAL GLANDS	(36)	(6)	(2)	(37)
DUCT; BILATERAL; DILATION	10 (28%) [8]	4 (67%) [2]	1 (50%) [1]	10 (27%) [9]
DUCT; UNILATERAL; DILATION	6 (17%) [6]	2 (33%) [2]	1 (50%) [1]	7 (19%) [6]
BILATERAL; INFLAMMATION SUPPURATIVE	2 (6%) [2]			2 (5%) [2]
UNILATERAL; INFLAMMATION SUPPURATIVE	3 (8%) [3]			3 (8%) [3]
BILATERAL; INFLAMMATION, CHRONIC	5 (14%) [5]			3 (8%) [2]
UNILATERAL; INFLAMMATION, CHRONIC	2 (6%) [2]	2 (33%) [2]		2 (5%) [2]
BILATERAL; INFLAMMATION, SUPPURATIVE		1 (17%) [1]		
UNILATERAL; INFLAMMATION, SUPPURATIVE		1 (17%) [1]		
SEMINAL VESICLES	(36)	(46)	(35)	(37)
TESTES	(36)	(46)	(35)	(37)
GERMINAL EPITHELIUM; ATROPHY		1 (2%) [1]		2 (5%) [2]
GERM CELL; DEGENERATION	5 (14%) [5]	1 (2%) [1]	4 (11%) [3]	
GRANULOMA SPERM				1 (3%) [1]
VENTRAL PROSTATE	(36)	(46)	(35)	(37)
ACINUS; UNILATERAL; ATROPHY				1 (3%) [1]

Study Number: MOG003B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence

Test Compound: 2-Ethylhexyl p-Methoxycinnamate

CAS Number: 5466-77-3

Date Report Requested: 01/14/2020

Time Report Requested: 10:27:44

Lab: RTI

F1 Male: Fertility Males

	Treatment Groups (ppm)			
	0	1000	3000	6000
BILATERAL; INFILTRATION CELLULAR; MONONUCLEAR CELL	2 (6%) [2]		2 (6%) [2]	
UNILATERAL; INFILTRATION CELLULAR; MONONUCLEAR CELL	1 (3%) [1]	3 (7%) [3]	2 (6%) [2]	3 (8%) [3]
BILATERAL; INFLAMMATION, CHRONIC	4 (11%) [3]	8 (17%) [8]	2 (6%) [2]	9 (24%) [7]
UNILATERAL; INFLAMMATION, CHRONIC	1 (3%) [1]	2 (4%) [2]	1 (3%) [1]	2 (5%) [2]
HEMATOLYMPHOID SYSTEM				
LYMPH NODE, CERVICAL	(2)	(1)	(0)	(0)
INTEGUMENTARY SYSTEM				
SKIN	(0)	(1)	(0)	(0)
ULCER		1 (100%) [1]		
MUSCULOSKELETAL SYSTEM				
LIMB	(2)	(0)	(0)	(0)
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
LUNG	(3)	(0)	(0)	(0)
INFLAMMATION, GRANULOMATOUS	1 (33%) [1]			
SMOOTH MUSCLE; ARTERY; PROLIFERATION	1 (33%) [1]			
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
KIDNEYS	(3)	(1)	(2)	(0)
CHRONIC PROGRESSIVE NEPHROPATHY	2 (67%) [2]	1 (100%) [1]	2 (100%) [2]	
PELVIS; DILATION	1 (33%) [1]	1 (100%) [1]	2 (100%) [2]	

Study Number: MOG003B
 Test Type: MOG
 Route: Dosing in Feed
 Species/Strain: Rat/Sprague-Dawley

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence
 Test Compound: 2-Ethylhexyl p-Methoxycinnamate
 CAS Number: 5466-77-3

Date Report Requested: 01/14/2020
 Time Report Requested: 10:27:44
 Lab: RTI

F1 Female: Fertility Females

	Treatment Groups (ppm)			
	0	1000	3000	6000
Disposition Summary				
Animals Initially In Study	36	46	35	38
Early Deaths				
Euthanized, moribund				1
Unscheduled Sacrifice			1	
Scheduled Deaths				
Scheduled sacrifice, terminal (GD 44 - 49, LD 14 - 28, PND 151 - 154)	36	46	34	37
Animals Examined Microscopically	32	5	2	25
Total number litters	19	5	2	19
ALIMENTARY SYSTEM				
LIVER	(4)	(0)	(0)	(1)
HEPATODIAPHRAGMATIC NODULE	2 (50%) [2]			
OVAL CELL; PERIPORTAL; HYPERPLASIA				1 (100%) [1]
HEPATOCTYCE; PERIPORTAL; HYPERTROPHY				1 (100%) [1]
CARDIOVASCULAR SYSTEM				
HEART	(2)	(0)	(1)	(0)
CARDIOMYOPATHY			1 (100%) [1]	
ENDOCRINE SYSTEM				
ADRENAL CORTEX	(26)	(0)	(0)	(23)
UNILATERAL; HYPERTROPHY; FOCAL	1 (4%) [1]			
ADRENAL MEDULLA	(26)	(0)	(0)	(23)
PITUITARY GLAND	(26)	(0)	(0)	(23)
PARS DISTALIS; CYST				1 (4%) [1]
THYROID GLANDS	(26)	(0)	(0)	(23)
ECTOPIC TISSUE, THYMUS	1 (4%) [1]			
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG003B

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence

Date Report Requested: 01/14/2020

Test Type: MOG

Test Compound: 2-Ethylhexyl p-Methoxycinnamate

Time Report Requested: 10:27:44

Route: Dosing in Feed

CAS Number: 5466-77-3

Lab: RTI

Species/Strain: Rat/Sprague-Dawley

F1 Female: Fertility Females

	Treatment Groups (ppm)			
	0	1000	3000	6000
GENITAL SYSTEM				
CERVIX	(26)	(0)	(0)	(23)
CLITORAL GLANDS	(2)	(1)	(1)	(0)
DUCT; UNILATERAL; DILATION		1 (100%) [1]	1 (100%) [1]	
UNILATERAL; INFLAMMATION, SUPPURATIVE		1 (100%) [1]		
OVARIES	(26)	(0)	(0)	(23)
PARAOVARIAN; UNILATERAL; CYST	1 (4%) [1]			
UTERINE HORN	(26)	(1)	(0)	(23)
UTERUS	(26)	(3)	(0)	(23)
ENDOMETRIUM; CYST	3 (12%) [3]			
CYST		2 (67%) [2]		1 (4%) [1]
DECIDUAL REACTION				1 (4%) [1]
MINERAL	1 (4%) [1]			3 (13%) [3]
VAGINA	(26)	(0)	(0)	(23)
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
MAMMARY GLANDS	(2)	(1)	(0)	(0)
SKIN	(2)	(0)	(0)	(1)
PUSTULE				1 (100%) [1]
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG003B
 Test Type: MOG
 Route: Dosing in Feed
 Species/Strain: Rat/Sprague-Dawley

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence
 Test Compound: 2-Ethylhexyl p-Methoxycinnamate
 CAS Number: 5466-77-3

Date Report Requested: 01/14/2020
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	F2 Male			
	Treatment Groups (ppm)			
	0	1000	3000	6000
Disposition Summary				
Animals Initially In Study	94	135	86	96
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 28)	94	135	86	96
Animals Examined Microscopically	8	3	2	6
Total number litters	5	3	2	5
ALIMENTARY SYSTEM				
LIVER	(2)	(2)	(0)	(3)
HEPATODIAPHRAGMATIC NODULE		2 (100%) [2]		3 (100%) [2]
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
TESTES	(4)	(1)	(2)	(1)
IMMATURE				1 (100%) [1]
HEMATOLYMPHOID SYSTEM				
LYMPH NODE, AXILLARY	(2)	(0)	(0)	(0)
INTEGUMENTARY SYSTEM				
SKIN	(0)	(0)	(0)	(1)
SUBCUTANEOUS TISSUE; INFLAMMATION; SUPPURATIVE				1 (100%) [1]
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG003B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence
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CAS Number: 5466-77-3

Date Report Requested: 01/14/2020
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Lab: RTI

	F2 Male			
	Treatment Groups (ppm)			
	0	1000	3000	6000
NERVOUS SYSTEM				
No Tissues/Organs Examined				
RESPIRATORY SYSTEM				
No Tissues/Organs Examined				
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
KIDNEYS	(2)	(0)	(0)	(1)

Study Number: MOG003B
 Test Type: MOG
 Route: Dosing in Feed
 Species/Strain: Rat/Sprague-Dawley

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence
 Test Compound: 2-Ethylhexyl p-Methoxycinnamate
 CAS Number: 5466-77-3

Date Report Requested: 01/14/2020
 Time Report Requested: 10:27:44
 Lab: RTI

	F2 Female			
	Treatment Groups (ppm)			
	0	1000	3000	6000
Disposition Summary				
Animals Initially In Study	110	125	85	102
Early Deaths				
Scheduled Deaths				
Scheduled sacrifice, terminal (PND 28)	110	125	85	102
Animals Examined Microscopically	2		1	1
Total number litters	1		1	1
ALIMENTARY SYSTEM				
LIVER	(2)	(0)	(1)	(1)
HEPATODIAPHRAGMATIC NODULE	2 (100%) [1]		1 (100%) [1]	1 (100%) [1]
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
No Tissues/Organs Examined				
HEMATOLYMPHOID SYSTEM				
No Tissues/Organs Examined				
INTEGUMENTARY SYSTEM				
No Tissues/Organs Examined				
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
No Tissues/Organs Examined				

Study Number: MOG003B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence
Test Compound: 2-Ethylhexyl p-Methoxycinnamate
CAS Number: 5466-77-3

Date Report Requested: 01/14/2020
Time Report Requested: 10:27:44
Lab: RTI

F2 Female

Treatment Groups (ppm)

0

1000

3000

6000

RESPIRATORY SYSTEM

No Tissues/Organs Examined

SPECIAL SENSES SYSTEM

No Tissues/Organs Examined

URINARY SYSTEM

No Tissues/Organs Examined

Study Number: MOG003B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA03R: Non-Neoplastic Lesion Summary with Percent and Litter Incidence
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LEGEND

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion.

Number of animals with observation reported with percent incidence in parentheses

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

**** END OF REPORT ****