

Experiment Number: 99021-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: alpha-Thujone
CAS Number: 546-80-5

Date Report Requested: 10/15/2014
Time Report Requested: 12:52:28
First Dose M/F: NA / NA
Lab: MBA

C Number: C99021
Lock Date: 01/24/2002
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE

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F 344/N Rat MALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
Disposition Summary						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Survivors						
Terminal Sacrifice	5	5	5	5	5	5
Animals Examined Microscopically	5	2	1			5
ALIMENTARY SYSTEM						
Esophagus	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Large, Cecum	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Large, Colon	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Large, Rectum	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Small, Duodenum	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Small, Ileum	(5)	(0)	(0)	(0)	(0)	(5)
Intestine Small, Jejunum	(5)	(0)	(0)	(0)	(0)	(5)
Liver	(5)	(1)	(0)	(0)	(0)	(5)
Hepatodiaphragmatic Nodule		1 [2.0]				
Pancreas	(5)	(0)	(0)	(0)	(0)	(5)
Infiltration Cellular, Lymphocyte, Focal	1 [1.0]					1 [1.0]
Salivary Glands	(5)	(0)	(0)	(0)	(0)	(5)
Stomach, Forestomach	(5)	(0)	(0)	(0)	(0)	(5)
Stomach, Glandular	(5)	(0)	(0)	(0)	(0)	(5)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(5)	(0)	(0)	(0)	(0)	(5)
Heart	(5)	(0)	(0)	(0)	(0)	(5)
ENDOCRINE SYSTEM						
Adrenal Cortex	(5)	(0)	(0)	(0)	(0)	(5)
Adrenal Medulla	(5)	(0)	(0)	(0)	(0)	(5)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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F 344/N Rat MALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
Islets, Pancreatic	(5)	(0)	(0)	(0)	(0)	(5)
Parathyroid Gland	(5)	(0)	(0)	(0)	(0)	(4)
Pituitary Gland	(5)	(0)	(0)	(0)	(0)	(5)
Thyroid Gland	(5)	(0)	(0)	(0)	(0)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(5)	(0)	(0)	(0)	(0)	(5)
Preputial Gland	(5)	(0)	(0)	(0)	(0)	(5)
Prostate	(5)	(0)	(0)	(0)	(0)	(5)
Seminal Vesicle	(5)	(0)	(0)	(0)	(0)	(5)
Testes	(5)	(0)	(0)	(0)	(0)	(5)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(0)	(0)	(0)	(0)	(5)
Lymph Node	(0)	(0)	(1)	(0)	(0)	(0)
Mediastinal, Congestion, Focal			1 [1.0]			
Mediastinal, Hyperplasia			1 [3.0]			
Lymph Node, Mandibular	(3)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(5)	(0)	(0)	(0)	(0)	(5)
Spleen	(5)	(0)	(0)	(0)	(0)	(5)
Thymus	(5)	(0)	(0)	(0)	(0)	(5)
INTEGUMENTARY SYSTEM						
Mammary Gland	(5)	(0)	(0)	(0)	(0)	(3)
Skin	(5)	(0)	(0)	(0)	(0)	(5)
MUSCULOSKELETAL SYSTEM						
Bone	(5)	(1)	(0)	(0)	(0)	(5)
Skeletal Muscle	(5)	(0)	(0)	(0)	(0)	(5)

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F 344/N Rat MALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
NERVOUS SYSTEM						
Brain, NOS	(5)	(1)	(0)	(0)	(0)	(5)
Cerebrum, Developmental Malformation		1 [3.0]				
Cerebrum, Gliosis, Focal		1 [2.0]				
Peripheral Nerve, Sciatic	(5)	(0)	(0)	(0)	(0)	(5)
Spinal Cord, Cervical	(5)	(0)	(0)	(0)	(0)	(5)
Spinal Cord, Lumbar	(5)	(0)	(0)	(0)	(0)	(5)
RESPIRATORY SYSTEM						
Larynx	(4)	(0)	(0)	(0)	(0)	(1)
Lung	(5)	(0)	(0)	(0)	(0)	(5)
Perivascular, Infiltration Cellular, Lymphocyte, Focal	2 [1.0]					2 [1.0]
Nose	(5)	(0)	(0)	(0)	(0)	(5)
Trachea	(5)	(0)	(0)	(0)	(0)	(5)
SPECIAL SENSES SYSTEM						
Eye	(5)	(0)	(0)	(0)	(0)	(5)
Harderian Gland	(5)	(0)	(0)	(0)	(0)	(5)
URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(0)	(5)
Urinary Bladder	(5)	(0)	(0)	(0)	(0)	(4)

END OF MALE DATA

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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F 344/N Rat FEMALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
Disposition Summary						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Moribund Sacrifice						2
Natural Death						1
Survivors						
Terminal Sacrifice	5	5	5	5	5	2
Animals Examined Microscopically	5		1		5	5
ALIMENTARY SYSTEM						
Esophagus	(5)	(0)	(0)	(0)	(5)	(5)
Intestine Large, Cecum	(5)	(0)	(0)	(0)	(5)	(4)
Intestine Large, Colon	(5)	(0)	(0)	(0)	(5)	(4)
Intestine Large, Rectum	(5)	(0)	(0)	(0)	(5)	(5)
Intestine Small, Duodenum	(5)	(0)	(0)	(0)	(5)	(4)
Intestine Small, Ileum	(5)	(0)	(0)	(0)	(5)	(4)
Intestine Small, Jejunum	(5)	(0)	(0)	(0)	(5)	(4)
Liver	(5)	(0)	(0)	(0)	(5)	(5)
Pancreas	(5)	(0)	(0)	(0)	(5)	(5)
Infiltration Cellular, Lymphocyte, Focal	1 [1.0]					
Salivary Glands	(5)	(0)	(0)	(0)	(5)	(5)
Stomach, Forestomach	(5)	(0)	(0)	(0)	(5)	(5)
Stomach, Glandular	(5)	(0)	(0)	(0)	(5)	(4)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(5)	(0)	(0)	(0)	(5)	(5)
Heart	(5)	(0)	(0)	(0)	(5)	(5)
ENDOCRINE SYSTEM						
Adrenal Cortex	(5)	(0)	(0)	(0)	(5)	(5)

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Adrenal Medulla	(5)	(0)	(0)	(0)	(5)	(4)
Islets, Pancreatic	(5)	(0)	(0)	(0)	(5)	(5)
Parathyroid Gland	(5)	(0)	(0)	(0)	(5)	(2)
Pituitary Gland	(4)	(0)	(0)	(0)	(4)	(5)
Thyroid Gland	(5)	(0)	(0)	(0)	(5)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(5)	(0)	(0)	(0)	(5)	(5)
Ovary	(5)	(0)	(0)	(0)	(5)	(5)
Uterus	(5)	(0)	(0)	(0)	(5)	(5)
Hydrometra					1 [2.0]	
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(0)	(0)	(0)	(5)	(5)
Lymph Node, Mesenteric	(5)	(0)	(0)	(0)	(5)	(5)
Spleen	(5)	(0)	(0)	(0)	(5)	(5)
Thymus	(5)	(0)	(0)	(0)	(5)	(5)
Hemorrhage, Focal						1 [1.0]
INTEGUMENTARY SYSTEM						
Mammary Gland	(5)	(0)	(0)	(0)	(5)	(5)
Skin	(5)	(0)	(0)	(0)	(5)	(5)
MUSCULOSKELETAL SYSTEM						
Bone	(5)	(0)	(0)	(0)	(5)	(5)
Skeletal Muscle	(5)	(0)	(0)	(0)	(5)	(5)
NERVOUS SYSTEM						
Brain, NOS	(5)	(0)	(0)	(0)	(5)	(5)
Chor Plexus, Hemorrhage, Focal						1 [3.0]

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F 344/N Rat FEMALE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG	30.0 MG/KG	100 MG/KG
Chor Plexus, Hemorrhage, Focal						1 [3.0]
Peripheral Nerve, Sciatic	(5)	(0)	(0)	(0)	(5)	(5)
Spinal Cord, Cervical	(5)	(0)	(0)	(0)	(5)	(5)
Spinal Cord, Lumbar	(5)	(0)	(0)	(0)	(5)	(5)
RESPIRATORY SYSTEM						
Larynx	(3)	(0)	(0)	(0)	(5)	(3)
Lung	(5)	(0)	(0)	(0)	(5)	(5)
Alveolus, Hyperplasia, Histiocytic, Focal						1 [1.0]
Perivascular, Infiltration Cellular, Lymphocyte, Focal	3 [1.0]				2 [1.0]	
Nose	(5)	(0)	(0)	(0)	(5)	(4)
Trachea	(5)	(0)	(0)	(0)	(5)	(5)
SPECIAL SENSES SYSTEM						
Eye	(5)	(0)	(0)	(0)	(5)	(5)
Harderian Gland	(5)	(0)	(0)	(0)	(5)	(5)
Infiltration Cellular, Lymphocyte, Focal					1 [3.0]	1 [2.0]
URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(5)	(5)
Renal Tubule, Degeneration, Focal						1 [3.0]
Urinary Bladder	(5)	(0)	(0)	(0)	(5)	(5)

**** END OF REPORT ****

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)