

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C03612

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Congestion, Nos
Epididymis		Inflammation, Chronic
Heart	Myocardium Nos	Inflammation, Chronic
	Auricular Appendage Nos	Thrombus, Organized
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Nos
Lymph node	Mesenteric Lymph Node	Edema, Nos
Mammary gland		Lactation
Pituitary gland		Chromophobe Carcinoma
Spleen		Hyperplasia, Reticulum Cell
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Lactation
Prostate		Atrophy, Nos
Salivary gland		Inflammation, Chronic
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor, Malignant
Thymus		Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Fibroadenoma
		Lactation
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thymus		Atrophy, Nos
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Epididymis

Heart

Kidney

Liver

Lymph node

Mammary gland

Pituitary gland

Prostate

Testis

Thyroid

Myocardium Nos

Bile Duct

Bile Duct

Cervical Lymph Node Nos

Pheochromocytoma

Fibrosis, Diffuse

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Lymphangiectasis

Lactation

Cyst, Nos

Atrophy, Nos

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Liver

Prostate

Spleen

Unspecified

Neck

Lipoidosis

Abscess, Nos

Hematopoiesis

Sarcoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Squamous Cell Carcinoma
Kidney	Nephropathy
Testis	Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Lactation
Pituitary gland		Cyst, Nos
Prostate		Atrophy, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Pheochromocytoma

Epididymis

Fibrosis, Diffuse

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Inflammation, Chronic

Liver

Congestion, Nos

Metamorphosis, Fatty

Lung

Congestion, Nos

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mammary gland

Lactation

Pituitary gland

Chromophobe Carcinoma

Spleen

Hemosiderosis

Testis

Tunica Vaginalis

Mesothelioma, Nos

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Lactation
Pancreas		Periarteritis
Pituitary gland		Chromophobe Adenoma
Prostate		Atrophy, Nos
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Ear	Fibrosarcoma
	Multiple Organs Nos	Lymphoma, Nos-Malignant

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Lymph node	Cervical Lymph Node Nos	Hyperplasia, Lymphoid
Mammary gland		Lactation
Prostate		Atrophy, Nos
Skin		Papilloma, Nos
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Liver

Cortex Nos  
Myocardium Nos  
Bile Duct  
Bile Duct

Hyperplasia, Nos  
Inflammation, Chronic  
Hyperplasia, Nos  
Inflammation, Chronic  
Neoplastic Nodule  
Hyperplasia, Reticulum Cell  
Lactation  
Chromophobe Adenoma  
Interstitial-Cell Tumor, Malignant  
Atrophy, Nos  
Fibroma

Lymph node  
Mammary gland  
Pituitary gland  
Testis  
Unspecified

Mesenteric Lymph Node  
  
  
  
Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Bone marrow		Hyperplasia, Granulocytic
Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Hemosiderosis
		Inflammation, Chronic
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Lymph node	Cervical Lymph Node Nos	Hyperplasia, Reticulum Cell
Mammary gland		Lactation
Pituitary gland		Cyst, Nos
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hemorrhage
		Hypoplasia, Hematopoietic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Congestion, Nos
		Follicular-Cell Carcinoma, Metastatic
Lymph node	Cervical Lymph Node Nos	Follicular-Cell Carcinoma, Metastatic
	Mesenteric Lymph Node	Hemangioma
Mammary gland		Lactation
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis

Heart

Kidney

Liver

Mammary gland

Pancreas

Testis

Thyroid

Unspecified

Myocardium Nos

Bile Duct

Bile Duct

Multiple Organs Nos

Fibrosis, Diffuse

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Lactation

Periarteritis

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

Hyperplasia, C Cell

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Epididymis

Kidney

Liver

Bile Duct

Mammary gland

Salivary gland

Testis

Unspecified

Multiple Organs Nos

Pheochromocytoma

Atrophy, Nos

Inflammation, Chronic

Fibrosis, Cholangio

Hepatocellular Carcinoma

Hyperplasia, Nos

Lactation

Fibrosis, Diffuse

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

Leukemia, Nos

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Prostate		Atrophy, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Epididymis

Heart

Kidney

Liver

Lymph node

Mammary gland

Spleen

Testis

Unspecified

Myocardium Nos

Bile Duct

Cervical Lymph Node Nos

Multiple Organs Nos

Pheochromocytoma

Fibrosis, Diffuse

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Lymphangiectasis

Lactation

Hemosiderosis

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Liver

Lung

Mammary gland

Pituitary gland

Prostate

Spleen

Testis

Thymus

Bile Duct

Hypoplasia, Hematopoietic

Fibrosis, Cholangio

Hyperplasia, Nos

Hemorrhage

Galactocele

Chromophobe Adenoma

Inflammation, Acute

Hemosiderosis

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Atrophy, Nos
Mammary gland		Dilatation, Ducts
Pituitary gland		Chromophobe Carcinoma
Testis		Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Lactation
Prostate		Inflammation, Acute
Skin	Tail	Papilloma, Nos
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis

Atrophy, Nos

Heart

Myocardium Nos

Fibrosis, Diffuse

Kidney

Inflammation, Chronic

Liver

Bile Duct

Inflammation, Chronic

Hyperplasia, Nos

Lymph node

Mesenteric Lymph Node

Metamorphosis, Fatty

Mammary gland

Hyperplasia, Reticulum Cell

Testis

Lactation

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Bile Duct

Cervical Lymph Node Nos

Lymph node

Mammary gland

Pituitary gland

Spleen

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Hyperplasia, Nos

Inflammation, Chronic

Lymphangiectasis

Galactocele

Chromophobe Carcinoma

Hemosiderosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
		Necrosis, Nos
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Epididymis

Pheochromocytoma  
Atrophy, Nos  
Fibrosis, Diffuse

Heart  
Kidney  
Liver

Myocardium Nos  
Bile Duct

Inflammation, Chronic  
Inflammation, Chronic  
Hyperplasia, Nos  
Hyperplasia, Nos  
Metamorphosis, Fatty

Lymph node  
Mammary gland  
Pituitary gland  
Prostate  
Spleen  
Testis

Cervical Lymph Node Nos

Lymphangiectasis  
Lactation  
Chromophobe Carcinoma  
Inflammation, Acute  
Lymphoma, Nos-Malignant  
Atrophy, Nos  
Interstitial-Cell Tumor, Malignant  
Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Mammary gland		Lactation
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thymus		Atrophy, Nos
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Pituitary gland		Cyst, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thyroid		C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain		Hydrocephalus, Nos
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Hemosiderosis
	Mesentery Nos	Mesothelioma, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Mammary gland		Lactation
Pituitary gland		Chromophobe Carcinoma
Prostate		Fibrosis, Diffuse
Spleen		Hemosiderosis
Testis		Atrophy, Nos
Thymus		Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis

Heart

Liver

Mammary gland

Spleen

Testis

Unspecified

Myocardium Nos

Bile Duct

Multiple Organs Nos

Fibrosis, Diffuse

Inflammation, Chronic

Hyperplasia, Nos

Metamorphosis, Fatty

Lactation

Congestion, Nos

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Epididymis

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Fibrosis, Diffuse

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Metamorphosis, Fatty

Prostate

Testis

Atrophy, Nos

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Lung

Mammary gland

Pancreas

Pituitary gland

Spleen

Testis

Thymus

Thyroid

Myocardium Nos

Islets

Pheochromocytoma

Inflammation, Chronic

Congestion, Nos

Galactocele

Islet-Cell Adenoma

Periarteritis

Chromophobe Adenoma

Hemosiderosis

Atrophy, Nos

Atrophy, Nos

C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Mesothelioma, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Mammary gland		Lactation
Pituitary gland		Chromophobe Carcinoma
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Hyperplasia, Nos

Lymph node

Mesenteric Lymph Node

Lymphangiectasis

Mammary gland

Lactation

Pituitary gland

Adenoma, Nos

Prostate

Atrophy, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

Thyroid

C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Prostate		Atrophy, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Lipoidosis

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic

Lymph node

Cervical Lymph Node Nos

Plasma-Cell Infiltrate

Pancreas

Islets

Hyperplasia, Nos

Pituitary gland

Chromophobe Adenoma

Prostate

Atrophy, Nos

Testis

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Congestion, Nos
	Cervical Lymph Node Nos	Erythrophagocytosis
	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Prostate		Atrophy, Nos
		Hyperplasia, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Granuloma, Lipo
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Galactocele
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
Mammary gland		Lactation
Prostate		Inflammation, Acute/Chronic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thymus		Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis		Edema, Nos
Heart	Myocardium Nos	Inflammation, Chronic
	Atrium	Thrombus, Organized
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lymph node

Mammary gland

Pituitary gland

Prostate

Testis

Unspecified

Myocardium Nos

Bile Duct

Bile Duct

Cervical Lymph Node Nos

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Hyperplasia, Lymphoid

Lactation

Cyst, Nos

Hyperplasia, Focal

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Epididymis

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Bile Duct

Mammary gland

Testis

Unspecified

Multiple Organs Nos

Pheochromocytoma

Fibrosis, Diffuse

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Hyperplasia, Nos

Inflammation, Chronic

Lactation

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Mammary gland		Lactation
Pituitary gland		Chromophobe Adenoma
Thymus		Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Bile Duct

Cervical Lymph Node Nos

Lymph node

Mammary gland

Pancreas

Pituitary gland

Prostate

Thyroid

Islets

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Hyperplasia, Nos

Inflammation, Chronic

Lymphangiectasis

Lactation

Islet-Cell Adenoma

Chromophobe Adenoma

Atrophy, Nos

C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hypoplasia, Hematopoietic
Brain		Hydrocephalus, Nos
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis, Cholangio
		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate
		Metamorphosis, Fatty
Lymph node	Mesenteric Lymph Node	Atrophy, Nos
Mammary gland		Galactocele
Pituitary gland		Chromophobe Carcinoma
Prostate		Inflammation, Acute
Spleen		Hyperplasia, Lymphoid
Testis		Interstitial-Cell Tumor, Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 30000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Fibrosis, Cholangio

Bile Duct

Hyperplasia, Nos

Pituitary gland

Chromophobe Adenoma

Prostate

Atrophy, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_101

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Lymphocytic Inflammatory Infiltrate
		Metamorphosis, Fatty
Mammary gland		Lactation
Pituitary gland		Chromophobe Carcinoma
Prostate		Inflammation, Acute
Spleen		Hyperplasia, Lymphoid
Thymus		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_102

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lymph node

Mammary gland

Pituitary gland

Testis

Myocardium Nos

Bile Duct

Cervical Lymph Node Nos

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Hyperplasia, Nos

Lymphangiectasis

Lactation

Chromophobe Adenoma

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_103

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
	Alveoli	Inflammation, Nos
Pituitary gland		Cyst, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_104

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis

Kidney

Liver

Bile Duct

Bile Duct

Lymph node

Pituitary gland

Spleen

Testis

Fibrosis, Diffuse

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Lymphocytic Inflammatory Infiltrate

Hyperplasia, Lymphoid

Cyst, Nos

Hyperplasia, Lymphoid

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_105

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Plasma-Cell Infiltrate
Mammary gland		Lactation
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_106

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Pituitary gland		Adenoma, Nos
		Cyst, Nos
Prostate		Atrophy, Nos
Spleen		Congestion, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_107

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Lymphoma, Histiocytic-Malignant Type
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Lactation
Prostate		Inflammation, Acute
Spleen		Hyperplasia, Lymphoid
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_108

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Epididymis

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Mammary gland

Testis

Thymus

Unspecified

Multiple Organs Nos

Pheochromocytoma

Fibrosis, Diffuse

Inflammation, Chronic

Inflammation, Chronic

Fibrosis, Cholangio

Hyperplasia, Nos

Metamorphosis, Fatty

Lactation

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

Lymphoma, Nos-Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_109

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Lipoidosis

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Hyperplasia, Nos

Metamorphosis, Fatty

Lymph node

Mesenteric Lymph Node

Atrophy, Nos

Cervical Lymph Node Nos

Hyperplasia, Lymphoid

Cervical Lymph Node Nos

Lymphangiectasis

Mammary gland

Lactation

Testis

Interstitial-Cell Tumor, Malignant

Thymus

Atrophy, Nos

Thyroid

C-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_110

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Pituitary gland

Testis

Bile Duct

Pheochromocytoma

Nephropathy

Hyperplasia, Nos

Hyperplasia, Focal

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_111

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Liver

Bile Duct

Hyperplasia, Nos

Pituitary gland

Adenoma, Nos

Prostate

Atrophy, Nos

Testis

Interstitial-Cell Tumor, Malignant

Thyroid

Cyst, Follicular Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_112

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Acute
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_113

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis		Granuloma, Lipo
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Mammary gland		Lactation
Pituitary gland		Chromophobe Adenoma
Prostate		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_114

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Lactation
Pancreas		Periarteritis
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_115

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
		Lipoma
Skin	Groin	Keratoacanthoma
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_116

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_117

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos Hypertrophy, Nos
Lung		Alveolar/Bronchiolar Adenoma
Pancreas	Islets	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_118

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Pheochromocytoma
Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium
Lymph node		Lymphangiectasis
Mammary gland	Mesenteric Lymph Node	Lactation
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_119

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Mammary gland		Lactation
Pancreas		Periarteritis
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_120

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Bile Duct

Cervical Lymph Node Nos

Lymph node

Mammary gland

Pancreas

Prostate

Spleen

Testis

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Hyperplasia, Nos

Inflammation, Chronic

Lymphocytic Inflammatory Infiltrate

Hyperplasia, Lymphoid

Lactation

Periarteritis

Atrophy, Nos

Hyperplasia, Lymphoid

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_121

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Lipoidosis

Heart

Myocardium Nos

Inflammation, Chronic

Kidney

Inflammation, Chronic

Liver

Hepatocellular Carcinoma

Bile Duct

Hyperplasia, Nos

Bile Duct

Hyperplasia, Nos

Mammary gland

Inflammation, Chronic

Testis

Lactation

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_122

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Small	Mesentery Nos	Mesothelioma, Nos
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thymus		Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_123

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Bone marrow

Heart

Liver

Mammary gland

Testis

Auricular Appendage Nos

Myocardium Nos

Auricular Appendage Nos

Bile Duct

Pheochromocytoma

Hypoplasia, Hematopoietic

Calcification, Dystrophic

Inflammation, Chronic

Thrombus, Organized

Fibrosis, Cholangio

Hyperplasia, Nos

Lactation

Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_124

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_125

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain		Atrophy, Pressure
Heart		Leiomyosarcoma
	Auricular Appendage Nos	Thrombus, Organized
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Leiomyosarcoma, Metastatic
Lung		Leiomyosarcoma, Metastatic
Lymph node	Hepatic Lymph Node	Congestion, Nos
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
		Lymphangiectasis
Mammary gland		Galactocele
Pituitary gland		Chromophobe Adenoma
Prostate		Inflammation, Acute

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_126

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Angiectasis
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Skin		Keratoacanthoma
Spleen		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_127

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis

Heart

Kidney

Liver

Mammary gland

Testis

Thyroid

Unspecified

Myocardium Nos

Bile Duct

Bile Duct

Atrophy, Nos

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Lactation

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

Hyperplasia, C Cell

Fibrosarcoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_128

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver		Metamorphosis, Fatty
Mammary gland		Galactocele
Pituitary gland		Chromophobe Adenoma
Prostate		Atrophy, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_129

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Mammary gland

Parathyroid gland

Pituitary gland

Prostate

Testis

Unspecified

Myocardium Nos

Bile Duct

Bile Duct

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Lactation

Hyperplasia, Nos

Adenoma, Nos

Inflammation, Acute

Interstitial-Cell Tumor, Malignant

Abscess, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_130

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Testis		Interstitial-Cell Tumor
Thymus		Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_131

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Mineralization
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Mediastinal Lymph Node	Squamous Cell Carcinoma, Metastatic
Testis		Hyperplasia, Interstitial Cell
Thymus		Hemorrhage
Unspecified		Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_132

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Kidney		Inflammation, Chronic Mineralization
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic Metamorphosis, Fatty Lactation
Mammary gland		Hyperplasia, Nos
Parathyroid gland		Squamous Cell Carcinoma
Skin	Eyelid Nos	Interstitial-Cell Tumor, Malignant
Testis		C-Cell Adenoma
Thyroid		Atrophy, Nos
Unspecified	Multiple Organs Nos	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_133

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lymph node

Mammary gland

Pituitary gland

Testis

Thyroid

Unspecified

Myocardium Nos

Bile Duct

Bile Duct

Cervical Lymph Node Nos

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Lymphangiectasis

Lactation

Chromophobe Adenoma

Interstitial-Cell Tumor, Malignant

Cystadenoma, Nos

Hyperplasia, C Cell

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_134

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_135

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Epididymis

Heart

Kidney

Liver

Mammary gland

Pituitary gland

Prostate

Testis

Unspecified

Myocardium Nos

Bile Duct

Multiple Organs Nos

Fibrosis, Diffuse

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Metamorphosis, Fatty

Lactation

Chromophobe Adenoma

Hyperplasia, Focal

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_136

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos Pheochromocytoma
Epididymis		Atrophy, Nos Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos Inflammation, Chronic Metamorphosis, Fatty
Lymph node	Cervical Lymph Node Nos	Congestion, Nos
	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Pituitary gland		Chromophobe Adenoma
Testis		Atrophy, Nos Interstitial-Cell Tumor, Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_137

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
		Metamorphosis, Fatty
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Pituitary gland		Chromophobe Carcinoma
		Cyst, Hemorrhagic
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_138

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Mammary gland		Lactation
Pituitary gland		Chromophobe Adenoma
		Cyst, Nos
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 2\_139

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Congestion, Nos
	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Galactocele
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Chromophobe Adenoma
Prostate		Atrophy, Nos
		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor, Malignant
Thymus		Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_140

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Pancreas		Periarteritis
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 2\_141

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Preputial gland

Dilatation, Nos

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_142

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Epididymis		Granuloma, Foreign Body
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic
		Metamorphosis, Fatty
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_143

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Lymph node	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Pancreas		Periarteritis
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_144

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_145

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Mammary gland		Galactocele
Pituitary gland		Chromophobe Adenoma
Thymus		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_146

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Mammary gland		Lactation
Prostate		Atrophy, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_147

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Liver	Portal Tract	Fibrosis
		Hypertrophy, Nos
Mammary gland		Lactation
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos
		Fibroma
	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_148

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Bile Duct

Bile Duct

Mammary gland

Pancreas

Prostate

Testis

Pheochromocytoma

Inflammation, Chronic

Hyperplasia, Nos

Hyperplasia, Nos

Inflammation, Chronic

Lactation

Periarteritis

Atrophy, Nos

Hyperplasia, Nos

Atrophy, Nos

Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_149

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 15000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Endocardium Nos	Fibrosis
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Galactocele
Pituitary gland		Chromophobe Adenoma
Prostate		Atrophy, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612  
**Test Type:** Long-Term  
**Route:** Dosed-Feed  
**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Phthalamide  
**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 16:37:13  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_150

**TRT#:** 2  
**DOSE:** 15000 PPM

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland		Hemangiosarcoma Pheochromocytoma
Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis, Cholangio Hyperplasia, Nos Hyperplasia, Nos
Lymph node	Cervical Lymph Node Nos	Hyperplasia, Lymphoid
	Cervical Lymph Node Nos	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Multiple Organs Nos	Lymphoma, Nos-Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_201

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Liver

Centrilobular

Lipoidosis

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_202

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Epididymis		Fibrosis, Diffuse
Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pituitary gland		Alveolar/Bronchiolar Adenoma
		Chromophobe Adenoma
		Cyst, Nos
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_203

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Mammary gland		Galactocele
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland		Chromophobe Carcinoma
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_204

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Brain

Heart

Kidney

Liver

Mammary gland

Stomach

Testis

Unspecified

Myocardium Nos

Bile Duct

Submucosa

Multiple Organs Nos

Multiple Organs Nos

Pheochromocytoma

Hemorrhage

Inflammation, Chronic

Inflammation, Chronic

Fibrosis, Cholangio

Hyperplasia, Nos

Lactation

Edema, Nos

Ulcer, Acute

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_205

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Bone marrow

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Prostate

Testis

Unspecified

Multiple Organs Nos

Pheochromocytoma

Hyperplasia, Granulocytic

Inflammation, Chronic

Inflammation, Chronic

Fibrosis, Cholangio

Hyperplasia, Nos

Hyperplasia, Nos

Necrosis, Nos

Hyperplasia, Focal

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

Lymphoma, Histiocytic-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_206

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Hyperplasia, Lymphoid

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lymph node

Cervical Lymph Node Nos

Lymphangiectasis

Mammary gland

Lactation

Pituitary gland

Chromophobe Adenoma

Testis

Interstitial-Cell Tumor, Malignant

Unspecified

Multiple Organs Nos

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_207

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Inflammation, Chronic
Liver		Necrosis, Nos
Mammary gland		Lactation
Prostate		Atrophy, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thymus		Atrophy, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_208

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Lymph node

Cervical Lymph Node Nos

Mesenteric Lymph Node

Cervical Lymph Node Nos

Mammary gland

Parathyroid gland

Testis

Unspecified

Multiple Organs Nos

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Fibrosis, Cholangio

Hyperplasia, Nos

Hypertrophy, Nos

Congestion, Nos

Hyperplasia, Lymphoid

Lymphangiectasis

Lactation

Hyperplasia, Nos

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

Lymphoma, Nos-Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_209

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain		Atrophy, Pressure
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Congestion, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Lactation
Pituitary gland		Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_210

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_211

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Submucosa, Colon	Hyperplasia, Lymphoid
Kidney		Inflammation, Chronic
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
		Hypertrophy, Nos
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

**ANIMAL ID:** 3\_212

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Lymph node	Cervical Lymph Node Nos	Hyperplasia, Reticulum Cell
	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos
	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_213

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Mammary gland		Lactation
Pituitary gland		Adenoma, Nos
Prostate		Atrophy, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_214

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Epididymis

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Bile Duct

Pituitary gland

Testis

Unspecified

Multiple Organs Nos

Fibrosis, Diffuse

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Metamorphosis, Fatty

Adenoma, Nos

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_215

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver		Fibrosis, Cholangio
	Bile Duct	Hyperplasia, Nos
Mammary gland		Lactation
Pituitary gland		Cyst, Nos
Prostate		Atrophy, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_216

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hyperplasia, Alveolar Epithelium
Mammary gland		Lactation
Prostate		Atrophy, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor, Malignant
Thyroid		Cyst, Follicular Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_217

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Mammary gland

Testis

Unspecified

Myocardium Nos

Bile Duct

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Nos

Hyperplasia, Nos

Lactation

Interstitial-Cell Tumor, Malignant

Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_218

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Hemosiderosis
	Cervical Lymph Node Nos	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_219

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Alveolar/Bronchiolar Adenoma
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C03612

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Phthalamide

**CAS Number:** 88-96-0

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 16:37:13

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 3\_220

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Hyperplasia, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Cervical Lymph Node Nos	Lymphangiectasis
Mammary gland		Lactation
Testis		Interstitial-Cell Tumor, Malignant
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

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