

**Experiment Number:** 99031-01  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**  
**Test Compound:** Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 18:38:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

|                             |            |
|-----------------------------|------------|
| <b>C Number:</b>            | C99031     |
| <b>Lock Date:</b>           | 10/07/2004 |
| <b>Cage Range:</b>          | All        |
| <b>Date Range:</b>          | All        |
| <b>Reasons For Removal:</b> | All        |
| <b>Removal Date Range:</b>  | All        |
| <b>Treatment Groups:</b>    | All        |
| <b>Study Gender:</b>        | Both       |
| <b>PWG Approval Date</b>    | NONE       |

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Date Report Requested: 10/22/2014

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Lab: BAT

| F 344/N Rat MALE                  | 0       | MG/KG | 62.5     | MG/KG | 125      | MG/KG | 250      | MG/KG | 500      | MG/KG | 1000     | MG/KG |
|-----------------------------------|---------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|
| <b>Disposition Summary</b>        |         |       |          |       |          |       |          |       |          |       |          |       |
| Animals Initially In Study        | 10      |       | 10       |       | 10       |       | 10       |       | 10       |       | 10       |       |
| Early Deaths                      |         |       |          |       |          |       |          |       |          |       |          |       |
| Survivors                         |         |       |          |       |          |       |          |       |          |       |          |       |
| Terminal Sacrifice                | 10      |       | 10       |       | 10       |       | 10       |       | 10       |       | 10       |       |
| Animals Examined Microscopically  | 10      |       | 10       |       | 10       |       | 10       |       | 10       |       | 10       |       |
| <b>ALIMENTARY SYSTEM</b>          |         |       |          |       |          |       |          |       |          |       |          |       |
| Esophagus                         | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Intestine Large, Cecum            | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Intestine Large, Colon            | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Intestine Large, Rectum           | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Parasite Metazoan                 | 1 [1.0] |       |          |       |          |       |          |       |          |       |          |       |
| Intestine Small, Duodenum         | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Intestine Small, Ileum            | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Intestine Small, Jejunum          | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Liver                             | (10)    |       | (10)     |       | (10)     |       | (10)     |       | (10)     |       | (10)     |       |
| Bile Duct, Hyperplasia            |         |       |          |       |          |       |          |       |          |       | 1 [1.0]  |       |
| Hepatocyte, Fatty Change          |         |       | 10 [1.4] |       | 10 [1.7] |       | 10 [1.8] |       | 10 [1.7] |       | 10 [1.3] |       |
| Hepatocyte, Hypertrophy           |         |       | 10 [1.0] |       | 10 [1.2] |       | 10 [1.7] |       | 10 [2.2] |       | 10 [3.0] |       |
| Hepatodiaphragmatic Nodule        | 1       |       |          |       |          |       |          |       |          |       | 1        |       |
| Inflammation, Chronic             | 5 [1.0] |       | 6 [1.0]  |       | 8 [1.0]  |       | 9 [1.0]  |       | 9 [1.0]  |       | 6 [1.0]  |       |
| Necrosis                          |         |       |          |       |          |       | 1 [1.0]  |       |          |       |          |       |
| Pancreas                          | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Acinus, Atrophy                   | 1 [1.0] |       |          |       |          |       |          |       |          |       |          |       |
| Infiltration Cellular, Lymphocyte | 3 [1.0] |       |          |       |          |       |          |       |          |       |          |       |
| Salivary Glands                   | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Stomach, Forestomach              | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |
| Stomach, Glandular                | (10)    |       | (0)      |       | (0)      |       | (0)      |       | (0)      |       | (10)     |       |

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

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

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Species/Strain: Rat/F 344/N

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

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

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First Dose M/F: NA / NA

Lab: BAT

| F 344/N Rat MALE             | 0    | MG/KG | 62.5 | MG/KG | 125  | MG/KG | 250  | MG/KG | 500  | MG/KG | 1000 | MG/KG |
|------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| Inflammation, Chronic        | 1    | [1.0] |      |       |      |       |      |       |      |       | 1    | [1.0] |
| <b>CARDIOVASCULAR SYSTEM</b> |      |       |      |       |      |       |      |       |      |       |      |       |
| Blood Vessel                 | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Heart                        | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Cardiomyopathy               | 10   | [1.0] |      |       |      |       |      |       |      |       | 7    | [1.1] |
| <b>ENDOCRINE SYSTEM</b>      |      |       |      |       |      |       |      |       |      |       |      |       |
| Adrenal Cortex               | (10) |       | (10) |       | (10) |       | (10) |       | (10) |       | (10) |       |
| Vacuolization Cytoplasmic    | 10   | [1.0] | 10   | [1.0] | 10   | [1.1] | 10   | [1.4] | 10   | [1.9] | 10   | [1.7] |
| Adrenal Medulla              | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Islets, Pancreatic           | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Parathyroid Gland            | (8)  |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Pituitary Gland              | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Thyroid Gland                | (10) |       | (10) |       | (10) |       | (10) |       | (10) |       | (10) |       |
| Follicular Cel, Hypertrophy  |      |       | 2    | [1.0] |      |       | 3    | [1.3] | 10   | [1.3] | 10   | [2.0] |
| <b>GENERAL BODY SYSTEM</b>   |      |       |      |       |      |       |      |       |      |       |      |       |
| None                         |      |       |      |       |      |       |      |       |      |       |      |       |
| <b>GENITAL SYSTEM</b>        |      |       |      |       |      |       |      |       |      |       |      |       |
| Epididymis                   | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Preputial Gland              | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Prostate                     | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Seminal Vesicle              | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Testes                       | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| <b>HEMATOPOIETIC SYSTEM</b>  |      |       |      |       |      |       |      |       |      |       |      |       |
| Bone Marrow                  | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Lymph Node, Mesenteric       | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Spleen                       | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Thymus                       | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |

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

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

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First Dose M/F: NA / NA

Lab: BAT

| F 344/N Rat MALE                                   | 0       | MG/KG | 62.5    | MG/KG | 125     | MG/KG | 250     | MG/KG | 500     | MG/KG | 1000    | MG/KG |
|--|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| <b>INTEGUMENTARY SYSTEM</b>                        |         |       |         |       |         |       |         |       |         |       |         |       |
| Mammary Gland                                      | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| Skin   | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| <b>MUSCULOSKELETAL SYSTEM</b>                      |         |       |         |       |         |       |         |       |         |       |         |       |
| Bone   | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| <b>NERVOUS SYSTEM</b>                              |         |       |         |       |         |       |         |       |         |       |         |       |
| Brain  | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| <b>RESPIRATORY SYSTEM</b>                          |         |       |         |       |         |       |         |       |         |       |         |       |
| Lung   | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| Alveolar Epith, Hyperplasia, Focal                 | 5 [1.0] |       |         |       |         |       |         |       |         |       | 1 [1.0] |       |
| Alveolus, Infiltration Cellular, Histiocyte, Focal | 6 [1.0] |       |         |       |         |       |         |       |         |       | 2 [1.0] |       |
| Interstitial, Inflammation                         |         |       |         |       |         |       |         |       |         |       | 1 [1.0] |       |
| Metaplasia, Osseous                                | 1 [1.0] |       |         |       |         |       |         |       |         |       | 1 [1.0] |       |
| Nose   | (10)    |       | (10)    |       | (10)    |       | (10)    |       | (10)    |       | (10)    |       |
| Foreign Body                                       |         |       | 1       |       |         |       | 1       |       |         |       |         |       |
| Goblet Cell, Hyperplasia                           |         |       | 1 [1.0] |       | 1 [1.0] |       |         |       |         |       |         |       |
| Goblet Cell, Respirat Epith, Hyperplasia           |         |       | 1 [1.0] |       |         |       | 1 [1.0] |       | 2 [1.0] |       |         |       |
| Inflammation, Acute                                | 1 [1.0] |       |         |       |         |       |         |       |         |       |         |       |
| Inflammation, Chronic                              |         |       | 1 [1.0] |       |         |       |         |       |         |       | 1 [1.0] |       |
| Inflammation, Chronic Active                       |         |       |         |       |         |       | 1 [1.0] |       |         |       |         |       |
| Olfactory Epi, Metaplasia, Respiratory             | 1 [1.0] |       |         |       |         |       |         |       | 1 [1.0] |       |         |       |
| Olfactory Epi, Pigmentation                        |         |       |         |       |         |       |         |       | 5 [1.0] |       | 7 [1.0] |       |
| Respirat Epith, Hyperplasia                        |         |       | 1 [1.0] |       | 1 [1.0] |       |         |       |         |       |         |       |
| Transit Epithe, Hyperplasia                        |         |       |         |       |         |       | 1 [1.0] |       |         |       |         |       |
| Trachea  | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| <b>SPECIAL SENSES SYSTEM</b>                       |         |       |         |       |         |       |         |       |         |       |         |       |

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| F 344/N Rat MALE                            | 0    | MG/KG | 62.5 | MG/KG | 125  | MG/KG | 250  | MG/KG | 500  | MG/KG | 1000 | MG/KG |
|---|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| Eye   | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Harderian Gland                             | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Infiltration Cellular, Lymphocyte           | 1    | [1.0] |      |       |      |       |      |       |      |       |      |       |
| URINARY SYSTEM                              |      |       |      |       |      |       |      |       |      |       |      |       |
| Kidney                                      | (10) |       | (10) |       | (10) |       | (10) |       | (10) |       | (10) |       |
| Mineralization                              | 5    | [1.0] |      |       |      |       |      |       |      |       | 4    | [1.0] |
| Nephropathy                                 | 7    | [1.0] | 7    | [1.0] | 7    | [1.0] | 6    | [1.0] | 6    | [1.0] | 8    | [1.0] |
| Renal Tubule, Accumulation, Hyaline Droplet |      |       |      |       | 1    | [2.0] |      |       |      |       |      |       |
| Urinary Bladder                             | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |

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

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| F 344/N Rat FEMALE                | 0       | MG/KG | 62.5    | MG/KG | 125     | MG/KG | 250     | MG/KG | 500     | MG/KG | 1000     | MG/KG |
|-----------------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|----------|-------|
| <b>Disposition Summary</b>        |         |       |         |       |         |       |         |       |         |       |          |       |
| Animals Initially In Study        | 10      |       | 10      |       | 10      |       | 10      |       | 10      |       | 10       |       |
| Early Deaths                      |         |       |         |       |         |       |         |       |         |       |          |       |
| Survivors                         |         |       |         |       |         |       |         |       |         |       |          |       |
| Terminal Sacrifice                | 10      |       | 10      |       | 10      |       | 10      |       | 10      |       | 10       |       |
| Animals Examined Microscopically  | 10      |       | 10      |       | 10      |       | 10      |       | 10      |       | 10       |       |
| <b>ALIMENTARY SYSTEM</b>          |         |       |         |       |         |       |         |       |         |       |          |       |
| Esophagus                         | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Muscularis, Inflammation, Chronic |         |       |         |       |         |       |         |       |         |       | 2 [1.5]  |       |
| Intestine Large, Cecum            | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Intestine Large, Colon            | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Intestine Large, Rectum           | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Intestine Small, Duodenum         | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Intestine Small, Ileum            | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Intestine Small, Jejunum          | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Liver                             | (10)    |       | (10)    |       | (10)    |       | (10)    |       | (10)    |       | (10)     |       |
| Hepatocyte, Hypertrophy           |         |       | 1 [1.0] |       |         |       |         |       | 9 [1.2] |       | 10 [1.1] |       |
| Hepatodiaphragmatic Nodule        | 1       |       | 1       |       |         |       | 1       |       | 1       |       |          |       |
| Inflammation, Chronic             | 5 [1.0] |       | 6 [1.0] |       | 7 [1.0] |       | 5 [1.0] |       | 8 [1.1] |       | 6 [1.0]  |       |
| Pancreas                          | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Infiltration Cellular, Lymphocyte | 2 [1.5] |       |         |       |         |       |         |       |         |       | 1 [1.0]  |       |
| Inflammation, Chronic             | 1 [1.0] |       |         |       |         |       |         |       |         |       |          |       |
| Salivary Glands                   | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Stomach, Forestomach              | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Stomach, Glandular                | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| <b>CARDIOVASCULAR SYSTEM</b>      |         |       |         |       |         |       |         |       |         |       |          |       |
| Blood Vessel                      | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |
| Heart                             | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)     |       |

a - Number of animals examined microscopically at site and number of animals with lesion  
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| F 344/N Rat FEMALE               | 0    | MG/KG | 62.5 | MG/KG | 125  | MG/KG | 250  | MG/KG | 500  | MG/KG | 1000 | MG/KG |
|----------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| Cardiomyopathy                   | 3    | [1.0] |      |       |      |       |      |       |      |       | 6    | [1.0] |
| <b>ENDOCRINE SYSTEM</b>          |      |       |      |       |      |       |      |       |      |       |      |       |
| Adrenal Cortex                   | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Adrenal Medulla                  | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Islets, Pancreatic               | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Parathyroid Gland                | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (9)  |       |
| Pituitary Gland                  | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Thyroid Gland                    | (10) |       | (10) |       | (10) |       | (10) |       | (10) |       | (10) |       |
| Cyst                             | 1    |       |      |       |      |       |      |       |      |       |      |       |
| Ectopic Thymus                   | 2    | [1.5] |      |       |      |       |      |       |      |       |      |       |
| Follicular Cel, Hypertrophy      |      |       |      |       |      |       |      |       | 3    | [1.0] | 5    | [1.0] |
| <b>GENERAL BODY SYSTEM</b>       |      |       |      |       |      |       |      |       |      |       |      |       |
| None                             |      |       |      |       |      |       |      |       |      |       |      |       |
| <b>GENITAL SYSTEM</b>            |      |       |      |       |      |       |      |       |      |       |      |       |
| Clitoral Gland                   | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Ovary                            | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Uterus                           | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Endometrium, Hyperplasia, Cystic | 2    | [1.0] |      |       |      |       |      |       |      |       | 1    | [1.0] |
| <b>HEMATOPOIETIC SYSTEM</b>      |      |       |      |       |      |       |      |       |      |       |      |       |
| Bone Marrow                      | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Lymph Node, Mesenteric           | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Spleen                           | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Thymus                           | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| <b>INTEGUMENTARY SYSTEM</b>      |      |       |      |       |      |       |      |       |      |       |      |       |
| Mammary Gland                    | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| Skin                             | (10) |       | (0)  |       | (0)  |       | (0)  |       | (0)  |       | (10) |       |
| <b>MUSCULOSKELETAL SYSTEM</b>    |      |       |      |       |      |       |      |       |      |       |      |       |

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

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

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:38:09

First Dose M/F: NA / NA

Lab: BAT

| F 344/N Rat FEMALE                                 | 0       | MG/KG | 62.5    | MG/KG | 125     | MG/KG | 250     | MG/KG | 500     | MG/KG | 1000    | MG/KG |
|--|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| <b>MUSCULOSKELETAL SYSTEM</b>                      |         |       |         |       |         |       |         |       |         |       |         |       |
| Bone   | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| <b>NERVOUS SYSTEM</b>                              |         |       |         |       |         |       |         |       |         |       |         |       |
| Brain  | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| <b>RESPIRATORY SYSTEM</b>                          |         |       |         |       |         |       |         |       |         |       |         |       |
| Lung   | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| Alveolar Epith, Hyperplasia, Focal                 | 1 [1.0] |       |         |       |         |       |         |       |         |       | 3 [1.3] |       |
| Alveolus, Infiltration Cellular, Histiocyte, Focal | 3 [1.0] |       |         |       |         |       |         |       |         |       | 2 [1.0] |       |
| Infiltration Cellular, Histiocyte, Focal           |         |       |         |       |         |       |         |       |         |       | 1 [2.0] |       |
| Metaplasia, Osseous                                | 1 [1.0] |       |         |       |         |       |         |       |         |       |         |       |
| Pigmentation, Hemosiderin                          | 1 [1.0] |       |         |       |         |       |         |       |         |       | 1 [2.0] |       |
| Nose   | (10)    |       | (10)    |       | (10)    |       | (10)    |       | (10)    |       | (10)    |       |
| Foreign Body                                       | 2       |       |         |       |         |       |         |       |         |       |         |       |
| Glands, Goblet Cell, Hyperplasia                   |         |       |         |       |         |       |         |       |         |       | 1 [2.0] |       |
| Inflammation, Chronic                              | 2 [1.0] |       |         |       |         |       |         |       |         |       | 1 [1.0] |       |
| Inflammation, Chronic Active                       |         |       |         |       | 1 [1.0] |       |         |       | 1 [1.0] |       | 2 [1.0] |       |
| Olfactory Epi, Atrophy                             |         |       |         |       | 1 [1.0] |       |         |       | 3 [1.3] |       | 3 [2.3] |       |
| Olfactory Epi, Metaplasia, Respiratory             | 1 [1.0] |       | 1 [1.0] |       |         |       |         |       |         |       |         |       |
| Olfactory Epi, Pigmentation                        |         |       |         |       | 5 [1.0] |       | 5 [1.0] |       | 9 [1.2] |       | 7 [1.6] |       |
| Respirat Epith, Hyperplasia                        | 2 [1.0] |       |         |       | 1 [1.0] |       |         |       |         |       |         |       |
| Transit Epithe, Hyperplasia                        | 1 [1.0] |       |         |       |         |       |         |       | 1 [1.0] |       | 1 [1.0] |       |
| Trachea  | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| <b>SPECIAL SENSES SYSTEM</b>                       |         |       |         |       |         |       |         |       |         |       |         |       |
| Eye  | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| Harderian Gland                                    | (10)    |       | (0)     |       | (0)     |       | (0)     |       | (0)     |       | (10)    |       |
| Infiltration Cellular, Lymphocyte                  |         |       |         |       |         |       |         |       |         |       | 1 [3.0] |       |

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

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



Experiment Number: 99031-01  
Test Type: 90-DAY  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**  
Test Compound: Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 10/22/2014  
Time Report Requested: 18:38:09  
First Dose M/F: NA / NA  
Lab: BAT

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| F 344/N Rat FEMALE | 0       | MG/KG | 62.5 | MG/KG | 125 | MG/KG | 250 | MG/KG | 500 | MG/KG | 1000    | MG/KG |
|--------------------|---------|-------|------|-------|-----|-------|-----|-------|-----|-------|---------|-------|
| URINARY SYSTEM     |         |       |      |       |     |       |     |       |     |       |         |       |
| Kidney             | (10)    |       | (0)  |       | (0) |       | (0) |       | (0) |       | (10)    |       |
| Mineralization     | 6 [1.0] |       |      |       |     |       |     |       |     |       | 5 [1.0] |       |
| Nephropathy        | 1 [1.0] |       |      |       |     |       |     |       |     |       | 2 [1.0] |       |
| Urinary Bladder    | (10)    |       | (0)  |       | (0) |       | (0) |       | (0) |       | (10)    |       |

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\*\* END OF REPORT \*\*

a - Number of animals examined microscopically at site and number of animals with lesion  
b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)