

European Registration Dossier
Dossier File N°: 5.3.2 / 04
Ciba File N°: 329351 / 137

3-MONTH SUBCHRONIC DIETARY TOXICITY STUDY IN BEAGLE DOGS

Test No. 943128

CGA 329351 tech.

FINAL REPORT

Study Director: Dr. med. vet. **5.1.2.e W60**

Testing Facility: CIBA-GEIGY Limited
Short-/Long-term Toxicology
4332 Stein / Switzerland

Test Guideline: OECD No. 409
FIFRA Subdivision F, 82-1
MAFF Japan

Study completed: August 7, 1995

Sponsor: CIBA-GEIGY Limited
Crop Protection Division
4002 Basle / Switzerland

This report contains: 377 pages

Test No.: 943128

Test Article: CGA 329351 tech.

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0.2. Certification of Good Laboratory Practices

This study has been performed in compliance with Good Laboratory Practice (GLP) in Switzerland, Procedures and Principles, March 1986 (Verfahren und Grundsätze der Guten Laborpraxis (GLP) in der Schweiz), issued by the Swiss Federal Department of the Interior and the Intercantonal Office for the Control of Medicaments. These procedures are in essence consistent with:

- OECD Principles of Good Laboratory Practice (Council Decision 81/30, adopted on May 12, 1981, and the OECD Recommendation 89/87 concerning the 'Compliance with Principles of Good Laboratory Practice', adopted on October 2, 1989).
- United States Environmental Protection Agency, Title 40 Code of Federal Regulations Part 160 (FIFRA); Federal Register, August 17, 1989.
- United States Environmental Protection Agency, Title 40 Code of Federal Regulations Part 792 (TSCA); Federal Register, August 17, 1989.
- Japan Ministry of Agriculture, Forestry and Fisheries, NohSan, Notification No. 3850, Agricultural Production Bureau, August 10, 1984.


Study Director: Dr. med. vet. 

date:  7, 1994

Facility Management:  Ph.D.
D.A.B.T., A.T.S.

date: 7 August 1995

For the Sponsor:


date: 8 August 1995

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Quality Assurance Statement

Ciba-Geigy Ltd., GLP Quality Assurance Product Safety, 4002 Basel

Project 943128
Test Substance CGA 329351 tech.
Study Title 3-Month Subchronic Dietary Toxicity Study in Beagle Dogs
Study Director Dr. [REDACTED]
QA-Inspector [REDACTED]

I hereby certify that the following Quality Assurance activities were performed:

| Activity | Performed | Reported |
|--------------------------|-------------------|-------------------|
| Facility Inspection | October 04, 1994 | October 10, 1994 |
| Protocol Audit | November 17, 1994 | November 17, 1994 |
| Study Related Inspection | December 12, 1994 | December 14, 1994 |
| Study Related Inspection | February 14, 1995 | February 15, 1995 |
| Facility Inspection | March 16, 1995 | March 22, 1995 |
| Study Related Inspection | March 20, 1995 | March 20, 1995 |
| Final Report Audit | July 11, 1995 | July 13, 1995 |

Date
Form. QSSTAT12

August 7, 1995

5.1.2.e Woo
Inspector Quality Assurance

Test No.: 943128

Test Article: CGA 329351 tech.

0.5. Quality Assurance Statement

Ciba-Geigy Ltd., GLP Quality Assurance Product Safety, 4002 Basel

Project 943128
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1. SUMMARY AND CONCLUSION

A total of 40 pedigree Beagle dogs was used (4 males and 4 females per dose group). The test article CGA 329351 tech. was administered orally in the diet for a period of 13 weeks at concentrations of 0, 50, 125, 250 and 1250 ppm.

Dose levels

Based on the analytically determined concentration of the test article in the diet, the calculated mean daily intake of CGA 329351 tech. was 1.57, 4.07, 7.25 and 38.6 mg/kg body weight for males and 1.56, 4.33, 7.93 and 39.5 mg/kg body weight for females.

Mortality

None of the animals died or had to be sacrificed during the course of this study.

In-life observations

There were not clinical signs related to treatment with the test article.

Body weight development

Body weight development was not affected by treatment.

Food consumption

In either sex food consumption was similar in all treated and control groups.

Food consumption ratios

Food consumption ratios of treated animals were comparable to those of the controls.

Eye examinations

The results of ophthalmoscopic examinations revealed no reaction to the treatment.

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Hematology

No treatment-related changes in hematologic parameters were observed.

Blood chemistry

Increased alkaline phosphatase activities were noted in males and females of the high dose group (1250 ppm) after 7 and 13 weeks of treatment.

Urine analysis

Treatment had no influence on urine parameters investigated.

Organ weights

Mean absolute and relative liver weights were increased in males and females of group 5 (1250 ppm).

Pathology

Macroscopical and microscopical examination showed the usual spectrum of changes occurring spontaneously in our colony of dogs. There were no findings attributable to treatment with the test article.

Conclusion

Under the conditions of this study, CGA 329351 tech. was well tolerated up to concentrations in feed of 1250 ppm, corresponding to daily intakes of 38.6 and 39.5 mg/kg in males and females, respectively.

The slight increases in liver weight and alkaline phosphatase activity indicate a hepatotropic effect of the test article.

Based on the results of this study, 250 ppm is considered to represent a no-observed-effect level (NOEL). This concentration corresponds to a daily intake of CGA 329351 tech. of 7.25 mg/kg in males and 7.93 mg/kg in females.

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2. INTRODUCTION

Purpose

This toxicity study in dogs was conducted in order to determine the potential toxicity of the test article CGA 329351 tech. upon daily dietary administration for a period of 13 weeks and to estimate a "no observable effect level" of exposure.

Good laboratory practice

The study was carried out in accordance with the principles of Good Laboratory Practice as set forth in "Verfahren und Grundsätze der Guten Laborpraxis (GLP) in der Schweiz", Swiss Federal Department of the Interior and Intercantonal Office for the Control of Medicaments (IKS), March 1986.

These procedures are in essence consistent with:

- OECD Principles of Good Laboratory Practice (Council Decision 81/30, adopted on May 12, 1981, and the OECD Recommendation 89/87 concerning the 'Mutual Recognition of Compliance with Good Laboratory Practice', adopted on October 2, 1989).
- United States Environmental Protection Agency, Title 40 Code of Federal Regulations Part 160 (FIFRA); Federal Register, August 17, 1989.
- United States Environmental Protection Agency, Title 40 Code of Federal Regulations Part 792 (TSCA); Federal Register, August 17, 1989.
- Japan Ministry of Agriculture, Forestry and Fisheries, Notification No. 3850, Agricultural Production Bureau, August 10, 1984.

The study was subjected to periodic internal quality assurance evaluation.

Analytical investigations, performed at RCC Umweltchemie AG, was inspected by the Quality Assurance Unit of RCC Research and Consulting Company AG, 4452 Itingen / Switzerland.

Basis of the study

This study was carried out according to:

- FIFRA, Pesticide Assessment Guidelines, Subdivision F: Hazard Evaluation, Human and Domestic Animals (November 1982); Section 82-1: Subchronic oral toxicity, 90-day study.

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- OECD Guideline for testing of chemicals Nr. 409: "Subchronic Oral Toxicity - Non-rodent: 90-day Study", adopted May 12, 1981.
- Notification of Director-General, Agricultural Production Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Japan, 59 NohSan No. 4200, dated January 28, 1985: "Guidance on Toxicology Study data for Application of Agricultural Chemical Registration".

Testing facility

All in-life testing and necropsy was performed at the Sisseln facility:

CIBA-GEIGY Limited
Short-/Long-term Toxicology
4332 Stein / Switzerland

Histopathology was performed at the Rosental facility:

CIBA-GEIGY Limited
Short-/Long-term Toxicology
Toxicological Pathology
4002 Basle / Switzerland

Chemical analysis was performed by:

RCC Umweltchemie AG
4452 Itingen / Switzerland

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Personnel and responsible scientists

The following scientists, professionals and supervisory personnel were involved in the conduct of the study:

Study director: Dr. med. vet. [REDACTED]

Technical assistant: [REDACTED]

Laboratory investigations: Dr. med. vet. [REDACTED]
FVH Clinical chemistry

Clinical laboratory assistant: [REDACTED]

Pathology services: Mrs. [REDACTED], dipl. med. vet.

Pathology: Dr. med. vet. [REDACTED]
FVH Pathology
Head of Toxicologic Pathology

[REDACTED], MVDr, C.Sc.

FVH Pathology
Study pathologist

Analytics: [REDACTED]

Statistics: [REDACTED], dipl. stat.

The job descriptions and the summaries of training and professional experience of personnel participating in this study are filed in the archives of CIBA-GEIGY Limited.

The job descriptions and the summaries of training and professional experience of the analysts are archived at RCC Umweltchemie AG, Switzerland.

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3. MATERIALS AND METHODS

3.1. Test article

Code No: CGA 329351 tech.
Batch No: OP.4
Description: viscous liquid
Content of active ingredient: 97.1 %
Date of receipt: October 10, 1994
Stability: guaranteed by the sponsor until reanalysis date April 1998
Storage conditions: room temperature

3.2. Experimental animals and housing

Species

Pedigree Beagle dogs, dewormed, vaccinated against rabies, distemper, leptospirosis, canine hepatitis and parvovirus infection.

Source

Animal production CIBA-GEIGY Limited, 4332 Stein/Switzerland

Initial body weight range (at week -1)

males 8.7 to 11.1 kg
females 8.7 to 11.1 kg

Initial age range (at week -1)

males 24 to 28 weeks
females 28 to 33 weeks

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Identification

The dogs were identified with tattoo-numbers on the lobe of the ear and with individual neckchain numbers (1-40).

Husbandry

Two dogs were housed together in a kennel. Each dog was fastened with a chain during the feeding period, thereafter indoor and outdoor runs were available for the dogs. The kennels were provided with heating to give a minimum room temperature of 15° C throughout the year.

Room temperature and humidity of air were monitored continuously and the recordings are filed with the raw data.

Lighting: Daylight, supplemented by artificial light when necessary to ensure light during 12 hours/day.

Music was broadcasted for about 8 hours daily during the lighting phase.

Diet

Certified pelleted standard diet NAFAG 9405 Tox, 350 g/animal daily.

All batches of diet were assayed for composition and contaminant levels by the manufacturer. Analytical results are available at the animal supply office (CIBA-GEIGY Limited, Pharmaceuticals Division).

Water

Tap water was given ad libitum. The drinking water quality fulfilled in the critical parameters the specifications of the "Schweizerisches Lebensmittelbuch" (Edition 1972). Results of the routine chemical examination of water at source (Grundwasserfassung Stein) as conducted periodically by the water authority (Baudepartement des Kantons Aargau, Abteilung Gewaesserschutz) are available to CIBA-GEIGY Limited, as well as the results of in house chemical analysis by the analytical laboratories of the Pharmaceuticals Division, CIBA-GEIGY Limited.

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3.3. Procedure

A protocol was prepared prior to the initiation of the study.

Number of dogs/group

4 males and 4 females

Acclimatization period

An acclimatization period of 32 days was allowed between delivery and the start of treatment.

Animal distribution

Immediately after delivery, the animals were distributed into groups. In order to avoid litter effects and initially different body weights, animals were assigned to different groups by means of a randomized complete block design, generated by SAS/STAT procedure PLAN <1>.

The general outline of the experiment is presented in the following animal distribution table.

| Dose (ppm) | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
|------------|---------|---------|---------|---------|---------|
| | 0 | 50 | 125 | 250 | 1250 |
| Males | 1-4 | 5-8 | 9-12 | 13-16 | 17-20 |
| Females | 21-24 | 25-28 | 29-32 | 33-36 | 37-40 |

Dose levels

0, 50, 125, 250 and 1250 ppm (= mg/kg diet)

<1> SAS/STAT User's Guide, Version 6, Fourth Edition, Volume 2, Cary, NC: SAS Institute Inc., 1989. pp 1221 - 1240.

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Rationale for dose selection

The doses were selected based on the results of the studies performed with a structurally similar product which was tested for 90 days and 6 months. In the 90-day study, it was given at concentrations of 50, 250 and 1250 ppm. The no-observable-effect level (NOEL) was 250 ppm (6.3 mg/kg). Accordingly, in this 3-month study dose levels of 50, 250 and 1250 of CGA 329351 tech. are chosen.

Low doses of 50 and 125 ppm were expected to result in a daily intake of about 1.7 and 4.2 mg/kg and are included to cover the possibility that there could be a greater sensitivity compared to structurally similar products.

A dose of 250 ppm (8.3 mg/kg) was expected to be a no-observable-effect level for a 3-month dosing period.

A high dose of 1250 ppm was expected to result in a daily intake of about 41.7 mg/kg and to cause evidence of systemic toxicity without fatalities.

Study schedule

| | |
|----------------------------------|-------------------------|
| Study initiation (protocol date) | November 3, 1994 |
| Start of acclimatisation | October 20, 1994 |
| Start of administration | November 21, 1994 |
| Termination of administration | February 19 to 22, 1995 |
| Date of sacrifice | February 20 to 23, 1995 |
| Duration of treatment | 91 to 94 days |
| Date of completion (report date) | August 7, 1995 |

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3.4. Compound administration and preparation

Route of administration

orally, admixed to the diet

Frequency of administration

once/day, 7 days a week

Preparation of the test article for administration

For each concentration an appropriate amount of test article was dissolved in acetone (about 160 g in 1000 g) and the solution added to a fixed amount of bolus alba. Acetone was evaporated at room temperature and the bolus alba premix was blended with a predefined amount of pulverized food. From this premix 1, a predefined amount was added to a further portion of pulverized food and thorough mixing, a homogeneous premix 2 was obtained for each of the concentrations. To these premixes diet was added to attain the nominal concentrations, blended homogeneously and pelleted. Diet was prepared at about monthly intervals and stored in paper bags or stainless steel containers at room temperature.

Control diet

The diet for control animals was prepared similarly using equal amounts of bolus alba and acetone but without adding test article.

Analysis of test article in the diet

Samples of the pelleted diet containing the test article were analysed for concentration, homogeneity and stability of CGA 329351 tech.

Analyses were done with the first (mixture 1) and the third mixture (mixture 3).

The analyses were carried out by the Analytical Laboratory of RCC Umweltchemie AG, 4452 Itingen, Switzerland.

The results of the analysis (RCC Project 386234) are given in the result and appendix sections of this report.

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3.5. Observations and records

Mortality

All animals were checked daily (a.m. and p.m. on working days, a.m. on weekends and holidays), in order to record mortalities and to allow dead or moribund animals to be submitted to necropsy as soon as possible.

In-life observations

In order to detect changes in state of health or behaviour, or any other reactions to treatment, examination was carried out daily.

Body weight

The weight of all animals was recorded individually at weekly weighing sessions.

Food consumption

daily (reported as weekly means)

Unit: g/animal/day

Food was offered as a constant amount of 350 g/animal/day with access being limited to about 3 hours.

Food consumption ratios

Food consumption ratio (FCR) was calculated according to the following formula:

$$\text{FCR} = \frac{\text{weekly food consumption (g)}}{\text{body weight (kg)} \times 7}$$

Unit: g food/kg body weight/day

Test article intake

Mean test article intake (TAInom) was calculated on a weekly basis according to the following formula:

$$\text{TAInom} = \frac{\text{FCR} \times \text{Cnom}}{1000}$$

Unit: mg/kg body weight/day

Cnom = nominal concentration of test article in food (ppm)

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The overall mean test article intake value was subsequently corrected for the analytically determined test article content. Effective mean test article intake (TAI_{eff}) was calculated as follows:

$$\text{TAI}_{\text{eff}} = \frac{\text{TAI}_{\text{nom}} \times \text{Ceff}}{100}$$

Unit: mg/kg body weight/day

Ceff = mean effective concentration of test article in food
(in % of C_{nom}) as determined analytically

Eye examinations

Eye examinations were performed in all animals at pretest and towards the end of the treatment period. After external inspection, the lens, the iris and the fundus were examined with an ophthalmoscope. The appearance of the fundus was documented photographically. Mydriaticumtm (Dispersa AG) was applied to induce mydriasis. The pupillary reflex was checked in all animals and the third eyelid was examined after local anesthesia using Novesintm 0.4% (Dispersa AG).

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3.6.1. Parameters and methods used in hematology

Parameters determined by the Technicon H*1 (Method code: M0002) <1>**Red blood cell parameters** Abbreviation SI Unit<2>

| | | |
|--|------|--------|
| Erythrocyte count | RBC | T/l |
| Hemoglobin | Hb | mmol/l |
| Hematocrit | Hct | l |
| Mean corpuscular volume | MCV | fl |
| Red cell volume distribution width<3> | RDW | l |
| Mean corpuscular hemoglobin | MCH | fmol |
| Mean corpuscular hemoglobin concentration | MCHC | mmol/l |
| Hemoglobin concentration distribution width<4> | HDW | mmol/l |

White blood cell parameters

| | | |
|------------------------------|--------|-----------|
| Leukocyte count | WBC | G/l |
| Differential leukocyte count | | rel. abs. |
| Neutrophils | Neut | l G/l |
| Eosinophils | Eos | l G/l |
| Basophils | Baso | l G/l |
| Lymphocytes | Lympho | l G/l |
| Monocytes | Mono | l G/l |
| Large unstained cells | Luc | l G/l |

Blood platelets

| | | |
|-------------------|-----|-----|
| Thrombocyte Count | Plt | G/l |
|-------------------|-----|-----|

Prothrombin time

| | | |
|--|---------|-----|
| Photometric assay using chromogenic substrate on a Cobas Bio centrifugal analyser (Method code: M0001) | PT (CS) | sec |
|--|---------|-----|

Reticulocyte count

| | | |
|---|------|---|
| Reticulocytes were stained with Thiazole Orange and determined by FACSCAN flow cytometer as a percentage of total erythrocytes (Method code: M0003) | Reti | l |
|---|------|---|

<1> Method code is used for assignment of valid reference values (see Appendix D)

<2> A table which lists SI units, conventional units and factors to convert data from SI units to conventional units is given in Appendix D

<3> RDW is derived as a coefficient of variation of the volume histogram

<4> HDW is derived as the standard deviation of the hemoglobin concentration histogram

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3.6.2. Parameters and methods used in blood chemistry

| Parameter | Method of analysis (Method code) Instrument | Abbreviation | Unit |
|--------------------|---|--------------|--------|
| Glucose | Hexokinase/G6P-DH (M0001) HITACHI 737 | Gluc | mmol/l |
| Urea | Urease/GLDH (M0001) HITACHI 737 | Urea | mmol/l |
| Creatinine | Enzymatic colorimetric test (M0001) HITACHI 737 | Creat-e | umol/l |
| Total bilirubin | Reaction with 2,5-Di- chlorophenyldiazonium salt (M0001) HITACHI 737 | Bili-tot | umol/l |
| Total protein | Biuret reaction (M0001) HITACHI 737 | Prot | g/l |
| Albumin | Bromocresol green method (M0001) HITACHI 737 | Alb | g/l |
| Globulin | Calculated value (M0001) (Total Protein minus Albumin) | Glob | g/l |
| A/G Ratio | Calculated value (M0001) (Albumin/Globulins) | A/G | 1 |
| Cholesterol | Enzymatic, CHOD/PAP (M0001) HITACHI 737 | Chol | mmol/l |
| Triglycerides | Glycerol-Kinase GPO/PAP method (M0001) HITACHI 737 | Trigly | mmol/l |
| Phospho- lipids | Phospholipase-Cholin- oxidase-Peroxidase- reaction (M0001) HITACHI 737 | Phos-Lip | mmol/l |

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| Parameter | Method of analysis (Method code) Instrument | Abbreviation | Unit |
|--|---|--------------|--------|
| Sodium | Ion selective electrode (M0001) HITACHI 737 | Na+ | mmol/l |
| Potassium | Ion selective electrode (M0001) HITACHI 737 | K+ | mmol/l |
| Calcium | o-Cresolphthalein complexone method (M0001) HITACHI 737 | Ca++ | mmol/l |
| Chloride | Ion selective electrode (M0001) HITACHI 737 | Cl- | mmol/l |
| Phosphorus inorganic | Phosphomolybdate reaction (M0001) HITACHI 737 | PO4-in | mmol/l |
| Aspartate amino- transferase EC 2.6.1.1 | MDH/NADH coupled reaction method (M0001) HITACHI 737 | ASAT (GOT) | U/l |
| Alanine amino- transferase EC 2.6.1.2 | LDH/NADH coupled reaction method (M0001) HITACHI 737 | ALAT (GPT) | U/l |
| Alkaline phosphatase EC 3.1.3.1 | p-Nitrophenyl-phosphate as substrate (M0001) HITACHI 737 | ALP | U/l |
| Gamma-glutamyl transpeptidase EC 2.3.2.2 | Substrate: L-gamma- glutamyl-3-carboxy- 4-nitroanilide (M0001) HITACHI 737 | GGT | U/l |
| Creatine kinase EC 2.7.3.2 | HK/ATP and G6P-DH/NADPH coupled reaction method (M0001) HITACHI 737 | CK | U/l |

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3.6.3. Parameters and methods used in urinalysis

Physical and chemical examination

Chemical urine components, pH and relative density were estimated by an automated urine analyser Clinitek Auto 2000 (Ames) using solid-phase reagent systems combined with reflectance spectroscopy (chemical constituents and pH), and applying the falling drop method (relative density).

The results of the semiquantitative estimates were classified in the following categories:

0 normal range
+ trace
++ small amount
+++ large amount

| <u>Parameter</u> | <u>Abbreviation</u> | <u>Method of analysis</u> |
|------------------|--|--|
| Relative density | Rel dens | Falling drop method Clinitek Auto 2000 (M0001) |
| pH-value | pH | Clinitek Auto 2000 (M0001) |
| Urine color | Color N = normal C = colorless YB = yellow-brown YG = yellow-green R = red B = brown RB = red-brown | Visual inspection |
| Protein | Prot | Clinitek Auto 2000 |
| Glucose | Gluc | Clinitek Auto 2000 |
| Ketones | Keto | Clinitek Auto 2000 |
| Bilirubin | Bili | Clinitek Auto 2000 |
| Blood | Blood | Clinitek Auto 2000 |
| Urobilinogen | UBG | Clinitek Auto 2000 |

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Microscopic examination

After centrifugation of the urine specimen, the sediment was stained with a modified Sternheimer-Malbin stain and examined microscopically. Results of microscopic estimates for formed elements (cells, casts, crystals) are classified in the following categories:

| | | |
|-----------|------------|-------------------------------|
| | 0 | no abnormalities observed |
| | + | few |
| | ++ | moderate number |
| | +++ | many |
| Cells: | RBC | Erythrocytes |
| | WBC | Leukocytes |
| | Epi-squa | Squamous epithelial cells |
| | Epi-tr | Transitional epithelial cells |
| | Epi-ren | Renal epithelial cells |
| Casts: | Cst-Hyal | Hyaline casts |
| | Cst-Gran | Granular casts |
| | Cst-Wax | Waxy casts |
| | Cst-RBC | Erythrocyte casts |
| | Cst-WBC | Leukocyte casts |
| | Cst-Epi | Epithelial cell casts |
| Crystals: | Cry-PO4 | Triple phosphate crystals |
| | Cry-Caox | Calcium oxalate crystals |
| | Cry-UrAc | Uric acid crystals |
| | Cry-Uram | Amorphous urate crystals |
| | Cry-Tyr | Tyrosine crystals |
| | Cry-Cys | Cystine crystals |
| | Cry-CaPhos | Di-calcium phosphate crystals |
| | Cry-Unid | Unidentified crystals |

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3.7. Pathology

3.7.1. Macroscopical examination

At scheduled sacrifice all controls and treated animals were anaesthetised by intravenous injection of T 61 (Hoechst), exsanguinated and subjected to detailed necropsy.

At necropsy the following weights were recorded from all animals:

body (exsanguinated)
brain
heart
liver
kidneys
adrenals
thymus
ovaries/testes
spleen
thyroid gland (including parathyroids)

The following organs and tissues were preserved in neutral buffered 4% formalin:

skin
mammary area
spleen
cervical lymph node
mesenteric lymph node
popliteal lymph node
sternum with bone marrow
rib with cartilage
skeletal muscle (semimembranosus)
trachea
lung
heart
aorta
submandibular salivary gland (both)
liver
gall bladder
pancreas
esophagus
stomach
small intestine (duodenum, jejunum and ileum)
large intestine (cecum, colon and rectum)
kidney (both)
urinary bladder
prostate
testis (both)
epididymis (both)
vagina

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uterus
ovary (both)
pituitary gland
adrenal gland (both)
thyroid with parathyroid gland
thymus
peripheral nerve (sciatic nerve)
brain
spinal cord
eye with optic nerve (both)
lacrimal gland (both)
any tissue with gross lesions

3.7.2. Microscopical examination

After the fixation, organ samples listed above were taken, embedded in paraplast, sectioned at 3-5 microns, stained with hematoxylin and eosin, and subjected to a microscopical examination.

3.7.3. Presentation of pathology data

Where practicable, gross lesions were identified by a capital letter, e.g. A, B, C, etc. at necropsy.

At the subsequent histopathological evaluation the diagnosis or diagnoses corresponding to the macroscopically identified lesions were given the same alphabetical label in order to correlate the microscopical findings with the changes seen at necropsy.

In compiling the incidence tables of microscopical findings, an animal presenting with a primary process (e.g. a rapidly growing tumor) that caused a biological response considered to be secondary (e.g. pressure atrophy) was counted in the summary tables as an animal presenting with the primary process. Secondary changes are mentioned among the individual findings.

The relationship between primary and secondary diagnosis was indicated by an arrow, e.g. A -> B, specifying that the diagnosis "A" was secondary to the diagnosis recognized as "B".

When no descriptor was ascribed at necropsy the histopathologist marked diagnoses by the symbols Z', Y', X' etc. in order to draw relationships between diagnoses.

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3.8. Statistical analysis

For each time point and parameter an univariate statistical analysis was performed. Nonparametric methods were applied, to allow for non normal as well as normal data distribution.

Each treated group was compared to the control group by Wilcoxon's two-sample test <1> and tested for increasing or decreasing trends from control up to the respective dose group by Jonckheere's test for ordered alternatives <1,2>.

Two-sided asymptotic p-values are reported in the "statistics" tables. Flags for significant differences between groups (*) or trends over groups (+ or -) are given in the "means" tables according to the specified significance level. Statistical tests and flags used are indicated in the header of each table.

Statistical significance does not necessarily imply biological relevance. Hence, the responsible scientist may not comment on statistically significant values lying within the physiological range and on the other hand may comment on values, which differ substantially from the expected normal values although this difference was not statistically significant.

References

- <1> E.L. Lehmann, Nonparametrics: Statistical Methods Based on Ranks. Holden-Day (1975): pp. 5-31, 232-238
- <2> A.R. Jonckheere, Biometrika (1954) 41: pp. 133-145

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Explanation of statistics and flags

N the number of observations on which the calculations are based

Mean the sum of the observed values divided by N

Median the 50th percentile

Min, Max the smallest value, the largest value

p_W p-value, the probability of an outcome being greater than or equal to the absolute value of Wilcoxon's standardized test statistic, if the null hypothesis is true (two-sided, with correction for ties). Not given, if sample sizes too small

*, significant difference in location between treated group and control at the level specified in the header of the table

p_J p-value, the probability of an outcome being greater than or equal to the absolute value of Jonckheere's standardized test statistic, if the null hypothesis is true (two-sided, no correction for ties). Not given, if sample sizes too small

+ or -, significant positive or negative trend from control up to the respective dose group at the level specified in the header of the table

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3.9. Deviations from the protocol

Amended

Study title was changed.

Not amended

As of May 1, 1995 Facility management changed from Dr. [redacted] to [redacted], Ph.D.

On May 15, 1995 Mrs. [redacted] was set in charge for pathology services.

After the start of the study responsibility for study pathologist changed from Dr. [redacted] to Dr. [redacted].

Initial age of one female was slightly higher than proposed in the protocol.

The above mentioned deviations are considered to have no impact on the validity of the study.

There were no known circumstances that could have affected the quality and/or integrity of the data.

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4. RESULTS

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4.1. Dietary levels

4.1.1. Analytical results

Stability

CGA 329351 tech. was stable at room temperature in pelleted dog diet for at least 42 days.
For details see table on the next page.

Homogeneity

The diet mixtures can be considered homogeneous. The homogeneity varied in the range from -6 % to +6 % of the mean concentrations (see table next page).

Content

The content of active ingredient in all samples was found to be in agreement with the nominal concentrations. Overall mean concentrations, expressed as a percentage of the nominal concentrations were calculated to be 93.9, 101.2, 91.4 and 91.7% for dose groups 2 (50 ppm), 3 (125 ppm), 4 (250 ppm) and 5 (1250 ppm), respectively.

For details see appendix section (RCC Project 386234).

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Test material content, homogeneity and stability

| | Group 2 | Group 3 | Group 4 | Group 5 |
|------------------------------|---------|---------|---------|---------|
| Nominal (ppm) | 50 | 125 | 250 | 1250 |
| Analytical (% of Nominal) | | | | |
| Mixture 1 | | | | |
| Sample A | 91.4 | 92.7 | 92.5 | 91.2 |
| Sample B | 87.9 | 93.0 | 92.7 | 91.2 |
| Sample C | 91.0 | 93.7 | 93.2 | 91.4 |
| Mean | 90.1 | 93.1 | 92.8 | 91.3 |
| Stability | 89.5 | 87.0 | 96.5 | 96.4 |
| Mixture 3 | | | | |
| Sample B | 97.6 | 109.3 | 90.0 | 92.1 |
| Mean (%) | 93.9 | 101.2 | 91.4 | 91.7 |

A: Beginning)
 B: Middle) of discharge from the pelleting machine
 C: End)

Mixture 1: prepared on November 15, 1994

Mixture 3: prepared on January 12, 1995

Test article content in group 1 diet (control) was always below analytical detectability.

4.1.2. Test article intake

For each dose level, the mean test article intake (in mg/kg body weight per day) is presented in the following tables.

Weekly mean test article intakes were calculated based on food consumption, body weight and nominal test article concentration. Listed values for weeks 1 to 13 were corrected to 2 decimal places. However, overall mean values were calculated by unrounded values. Overall means were calculated and corrected for the mean amount of test article in the diet according to the results of analytical determination of test article concentration.

Rounded to 3 meaningful digits, the mean daily intake of CGA 329351 tech. was 1.57, 4.07, 7.25 and 38.6 mg/kg body weight for males, and 1.56, 4.33, 7.93 and 39.5 mg/kg body weight for females.

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Daily intake (means) : males
(mg/kg body weight/day)

| Dose (ppm) | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------------|---------------|----------------|----------------|-----------------|
| week: | | | | |
| 1 | 1.81 | 4.30 | 8.50 | 45.71 |
| 2 | 1.81 | 4.31 | 8.44 | 45.13 |
| 3 | 1.77 | 4.22 | 8.30 | 44.20 |
| 4 | 1.74 | 4.16 | 8.17 | 43.40 |
| 5 | 1.69 | 4.05 | 8.00 | 42.46 |
| 6 | 1.68 | 4.03 | 7.89 | 41.90 |
| 7 | 1.66 | 4.00 | 7.86 | 41.61 |
| 8 | 1.64 | 3.94 | 7.73 | 41.00 |
| 9 | 1.62 | 3.90 | 7.63 | 40.61 |
| 10 | 1.61 | 3.87 | 7.65 | 40.38 |
| 11 | 1.60 | 3.83 | 7.64 | 40.10 |
| 12 | 1.58 | 3.82 | 7.68 | 40.40 |
| 13 | 1.59 | 3.83 | 7.62 | 40.28 |
| Overall mean nominal | 1.68 | 4.02 | 7.93 | 42.09 |
| Overall mean effective* | 1.57 | 4.07 | 7.25 | 38.60 |

* corrected for analytical content

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Daily intake (means) : females
(mg/kg body weight/day)

| Dose (ppm) | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------------|---------------|----------------|----------------|-----------------|
| week: | | | | |
| 1 | 1.74 | 4.43 | 9.00 | 44.70 |
| 2 | 1.74 | 4.45 | 9.13 | 44.70 |
| 3 | 1.71 | 4.40 | 8.98 | 44.10 |
| 4 | 1.70 | 4.29 | 8.88 | 43.86 |
| 5 | 1.67 | 4.30 | 8.71 | 42.82 |
| 6 | 1.67 | 4.29 | 8.64 | 42.58 |
| 7 | 1.65 | 4.27 | 8.61 | 42.59 |
| 8 | 1.63 | 4.25 | 8.52 | 42.58 |
| 9 | 1.63 | 4.11 | 8.47 | 42.19 |
| 10 | 1.63 | 4.27 | 8.50 | 42.50 |
| 11 | 1.63 | 4.25 | 8.46 | 42.18 |
| 12 | 1.62 | 4.19 | 8.46 | 42.29 |
| 13 | 1.63 | 4.19 | 8.47 | 42.38 |
| Overall mean nominal | 1.66 | 4.28 | 8.68 | 43.03 |
| Overall mean effective* | 1.56 | 4.33 | 7.93 | 39.46 |

* corrected for analytical content

4.2. Mortality

Individual mortality data including fate and days on test are presented in Appendix B of this report.

None of the animals died or had to be sacrificed during the course of this study.

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4.3. In-life observations

The summary of antemortem findings is presented below, individual signs are presented in Appendix B of this report.

No toxicologically relevant clinical signs or changes in behavior were observed at any time during the study.

Diarrhea of a variable degree occurred intermittently for control and treated animals. However, no relationship to treatment could be established (see Appendix B).

Antemortem findings (incidence)

| Dose (ppm) | group 1 | | group 2 | | group 3 | | group 4 | | group 5 | |
|-----------------|---------|---|---------|---|---------|---|---------|---|---------|---|
| | 0 | | 50 | | 125 | | 250 | | 1250 | |
| Sex | m | f | m | f | m | f | m | f | m | f |
| hair loss, back | 1 | - | - | - | - | - | - | - | - | - |
| wound, neck | - | - | 1 | - | - | - | - | - | - | - |
| scab, neck | - | - | 1 | - | - | - | - | - | - | - |

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Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05

JONCKHEERE: +- if p_J < 0.01

Body weight (means) : males
(kg/animal)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: -1 | 9.850 | 9.525 | 9.925 | 10.08 | 9.575 |
| 1 | 9.950 | 9.675 | 10.20 | 10.30 | 9.650 |
| 2 | 10.00 | 9.700 | 10.18 | 10.38 | 9.775 |
| 3 | 10.18 | 9.875 | 10.40 | 10.55 | 9.975 |
| 4 | 10.38 | 10.05 | 10.55 | 10.73 | 10.15 |
| 5 | 10.50 | 10.35 | 10.83 | 10.95 | 10.38 |
| 6 | 10.58 | 10.43 | 10.90 | 11.10 | 10.50 |
| 7 | 10.70 | 10.55 | 10.98 | 11.15 | 10.58 |
| 8 | 10.80 | 10.68 | 11.13 | 11.33 | 10.73 |
| 9 | 10.88 | 10.83 | 11.25 | 11.48 | 10.83 |
| 10 | 10.93 | 10.90 | 11.35 | 11.45 | 10.90 |
| 11 | 11.00 | 10.98 | 11.45 | 11.48 | 10.98 |
| 12 | 10.95 | 11.05 | 11.50 | 11.40 | 10.90 |
| 13 | 11.03 | 11.03 | 11.45 | 11.50 | 10.93 |

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Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if $p_W < 0.05$
 JONCKHEERE: +- if $p_J < 0.01$

Body weight (means) : females
 (kg/animal)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: -1 | 10.00 | 9.950 | 9.800 | 9.525 | 9.725 |
| 1 | 10.18 | 10.10 | 9.950 | 9.575 | 9.825 |
| 2 | 10.10 | 10.10 | 9.900 | 9.650 | 9.825 |
| 3 | 10.25 | 10.23 | 10.00 | 9.800 | 9.950 |
| 4 | 10.33 | 10.33 | 10.18 | 9.900 | 10.00 |
| 5 | 10.50 | 10.50 | 10.25 | 10.10 | 10.25 |
| 6 | 10.63 | 10.48 | 10.28 | 10.15 | 10.30 |
| 7 | 10.68 | 10.63 | 10.33 | 10.23 | 10.30 |
| 8 | 10.73 | 10.75 | 10.35 | 10.33 | 10.30 |
| 9 | 10.83 | 10.78 | 10.43 | 10.40 | 10.40 |
| 10 | 10.80 | 10.78 | 10.33 | 10.35 | 10.33 |
| 11 | 10.85 | 10.78 | 10.38 | 10.40 | 10.40 |
| 12 | 10.85 | 10.83 | 10.53 | 10.40 | 10.38 |
| 13 | 10.88 | 10.78 | 10.53 | 10.40 | 10.35 |

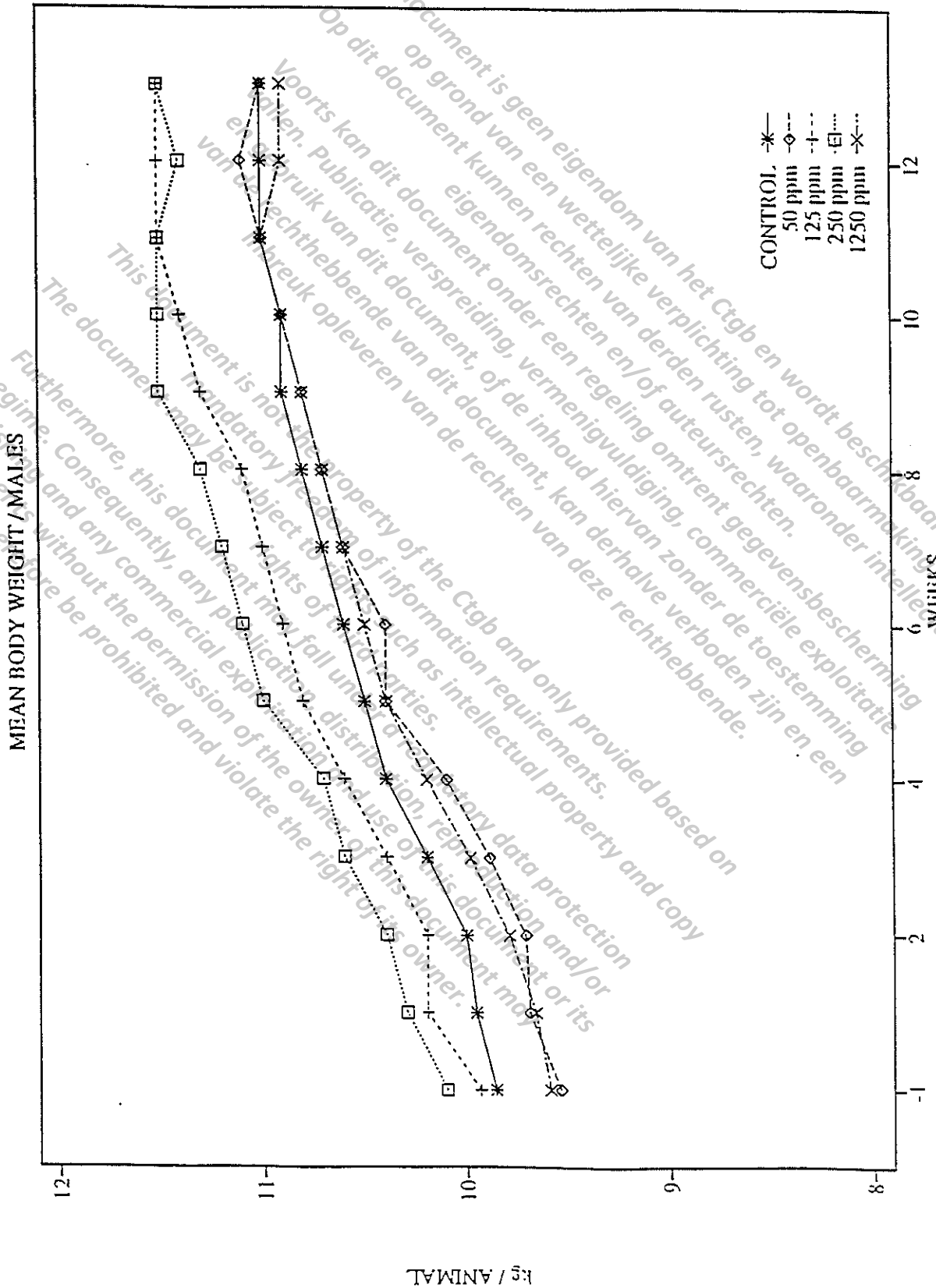
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3-MONTH SUBCHRONIC DIETARY TOXICITY STUDY IN BEAGLE DOGS

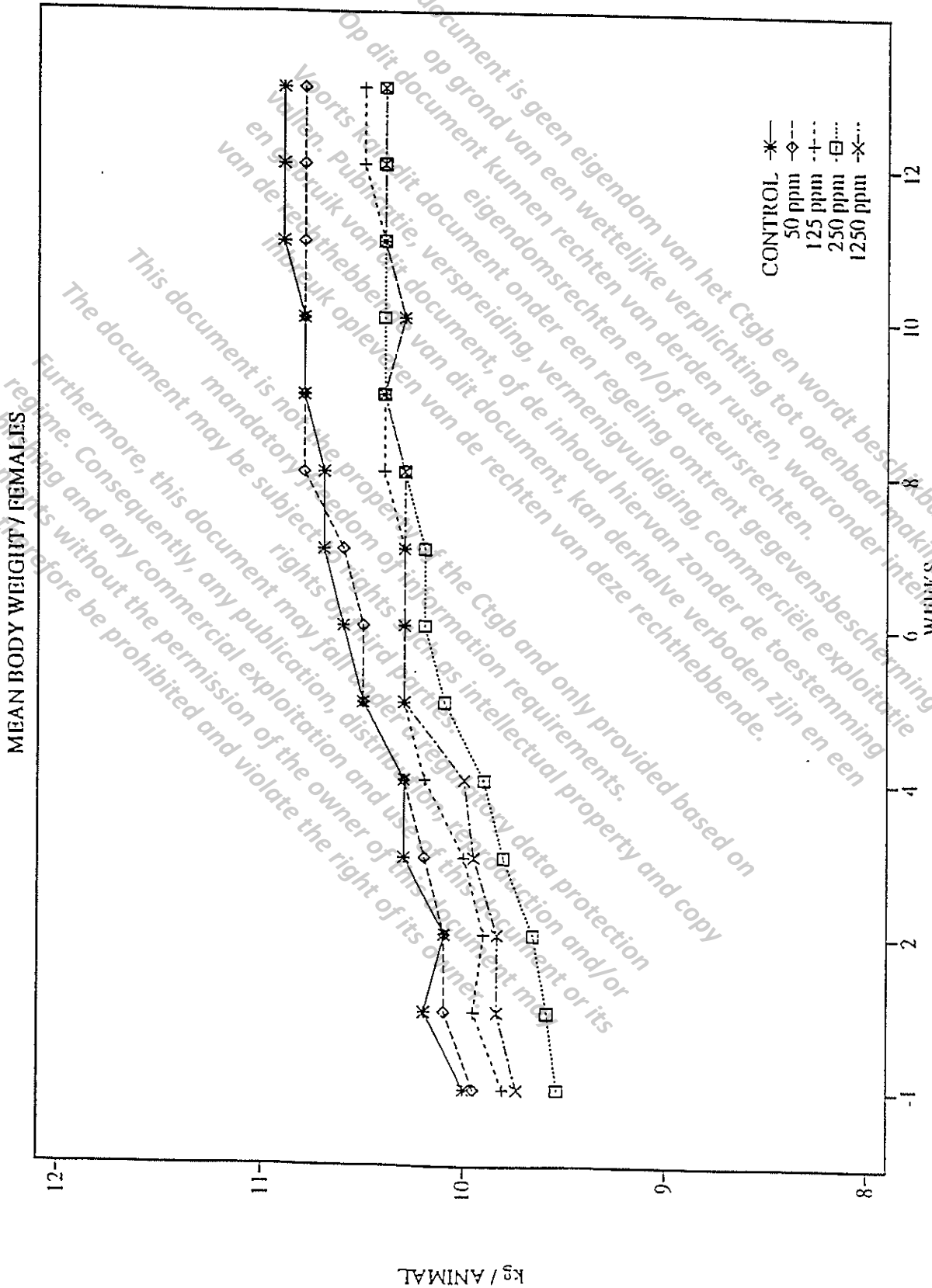
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Test No.: 943128
 Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05
 JONCKHEERE: +- if p_J < 0.01

Food consumption (means) : males
 (g/animal/day)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: -1 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 1 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 4 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |

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Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if $p_W < 0.05$
 JONCKHEERE: +- if $p_J < 0.01$

Food consumption (means) : females
 (g/animal/day)

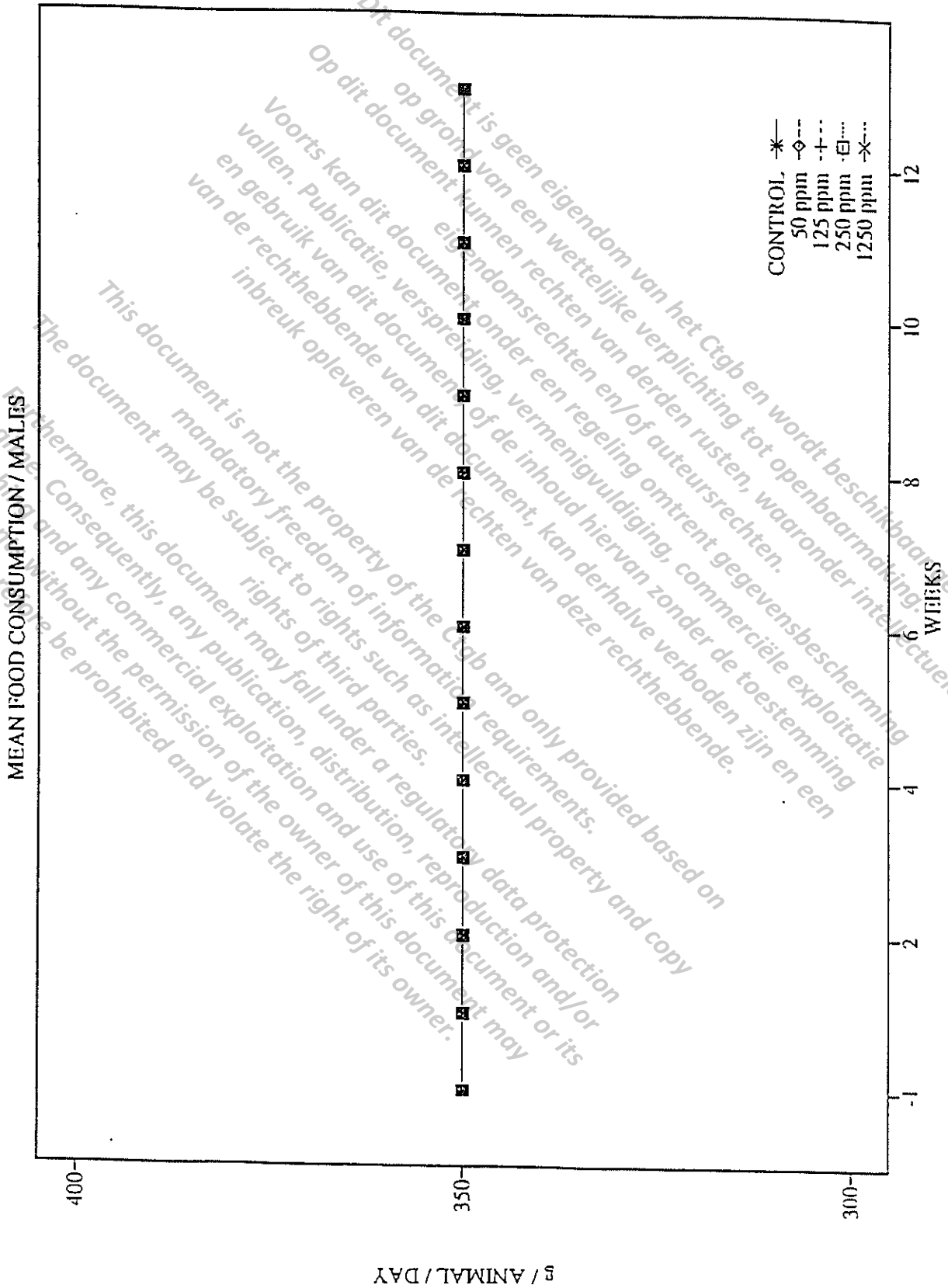
| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: -1 | 350.0 | 350.0 | 348.9 | 346.4 | 350.0 |
| 1 | 350.0 | 350.0 | 350.0 | 342.9 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 350.0 | 350.0 | 349.3 | 350.0 | 350.0 |
| 4 | 350.0 | 350.0 | 346.8 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 350.0 | 350.0 | 350.0 | 348.9 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 350.0 | 350.0 | 341.8 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |

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3-MONTH SUBCHRONIC DIETARY TOXICITY STUDY IN BEAGLE DOGS

Test No.: 943128

Test Article: CGA 329351 tech.

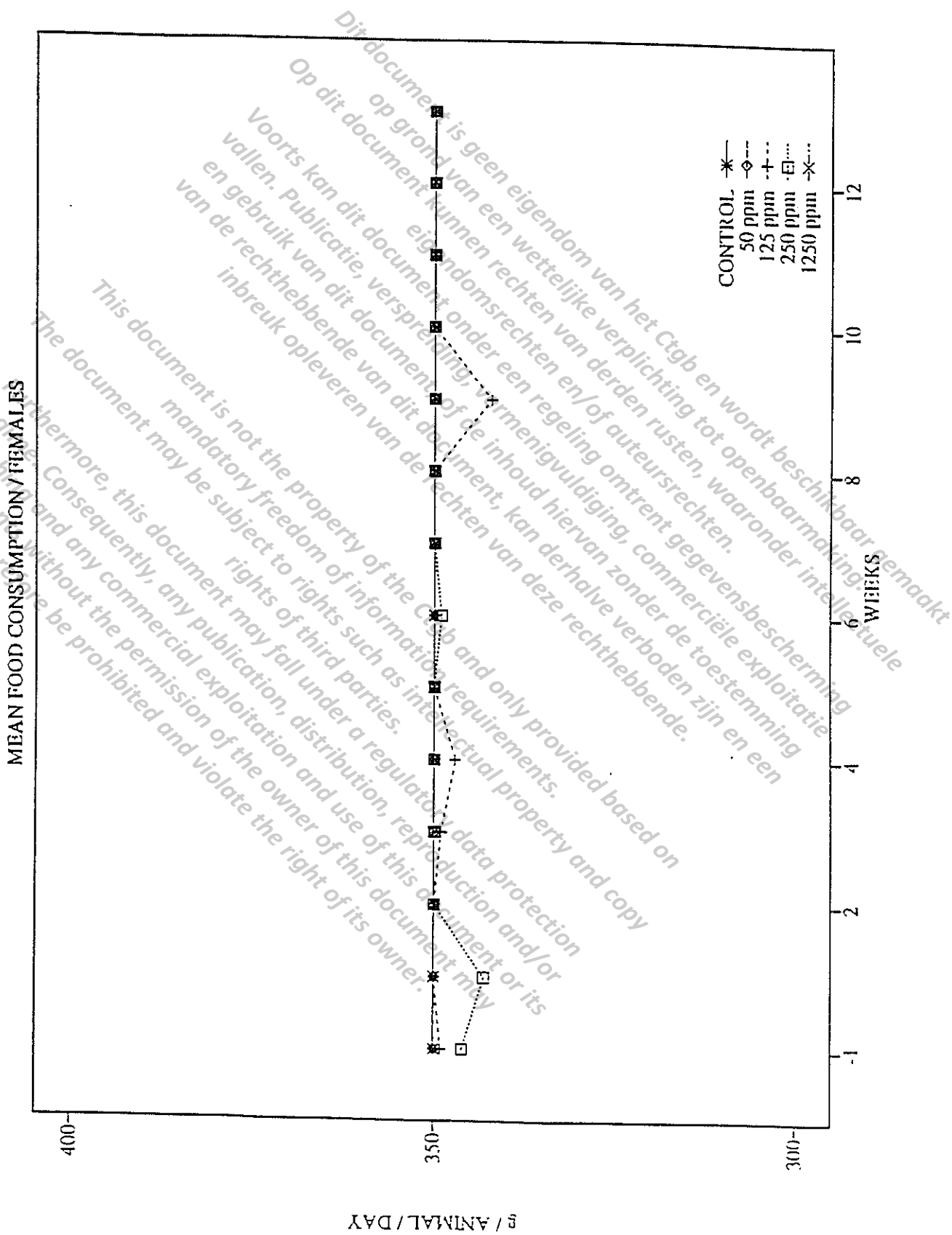


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4.6. Food consumption ratios

Mean food consumption ratios are presented in the following tables and plots.

No consistent difference in mean food consumption ratios was observed between groups.

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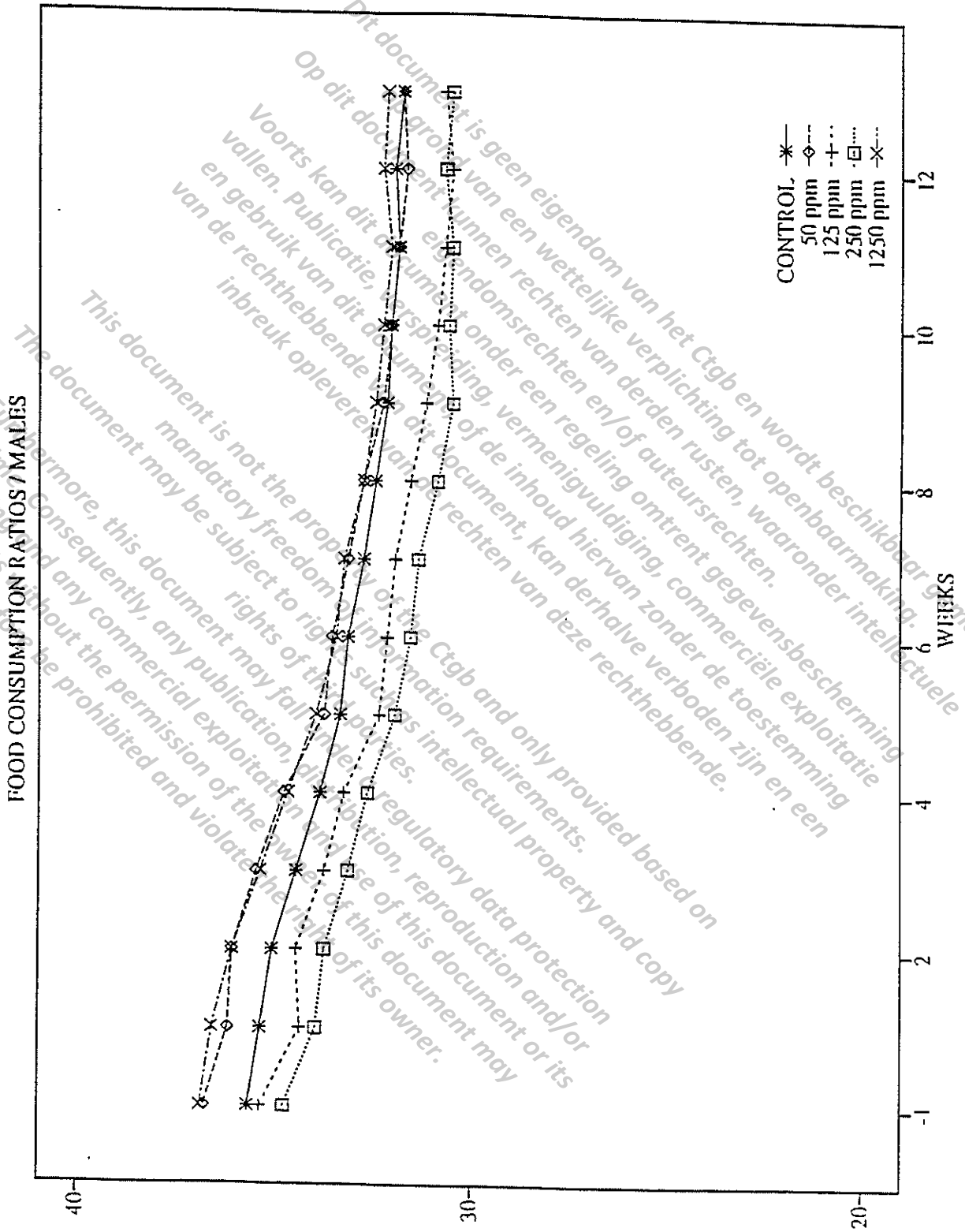
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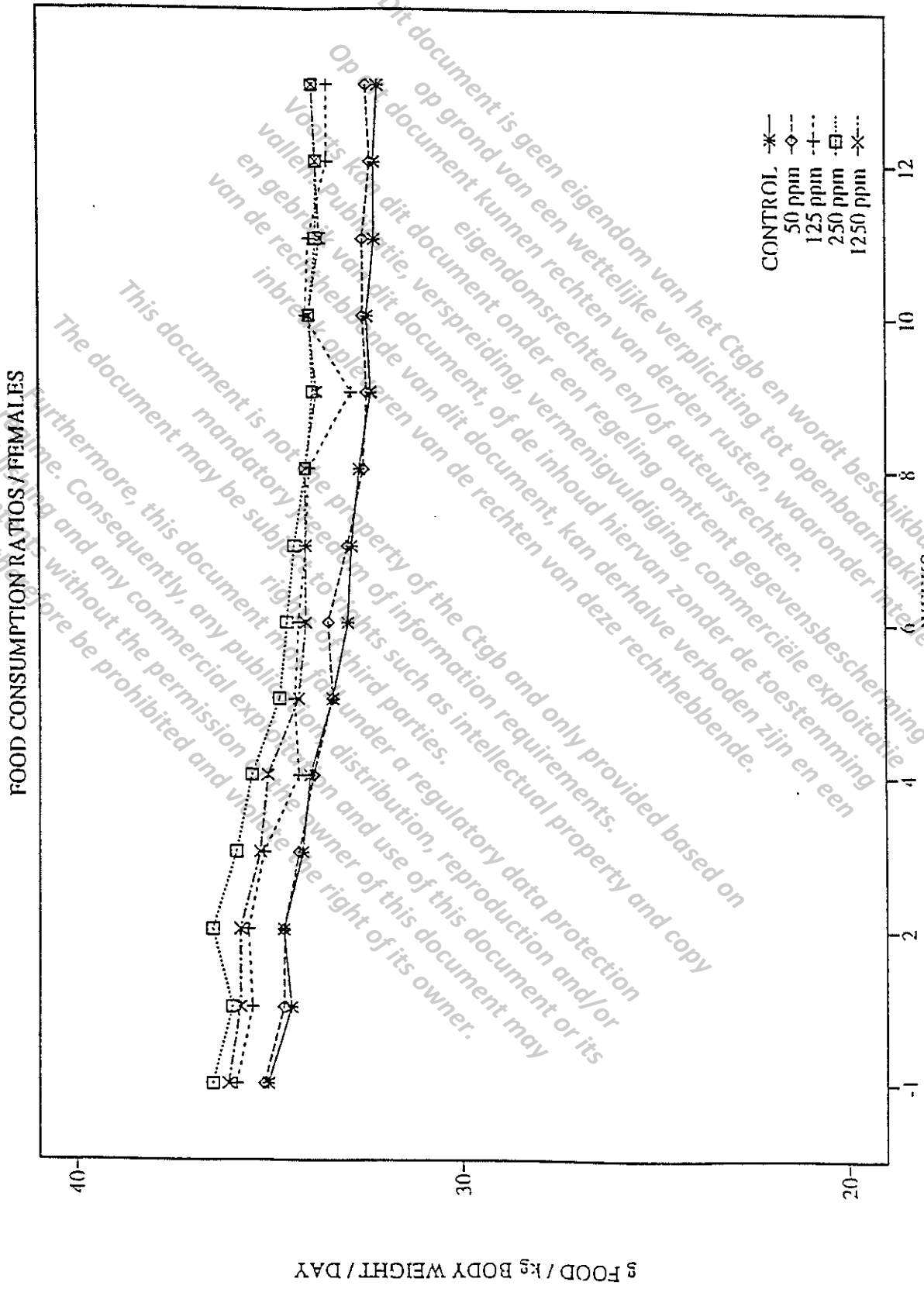


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Test No.: 943128

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Test No.: 943128

Test Article: CGA 329351 tech.

4.8. Hematology

Mean values are presented in the following tables. Individual values and their statistics are given in the Appendices A and B of this report. Reference values from previous studies are given in Appendix D.

No treatment-related changes in hematologic parameters were observed.

Values recorded in treated dogs were similar to those of controls and to pretest values with only few statistically significant differences. However, also in these cases an effect of the treatment was considered to be unlikely because the deviations did not show any relation to the administered doses or to the duration of the treatment. In addition, all individual values remained within the range of reference values. The findings were therefore attributed to normal biological variation.

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Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if $p_W < 0.05$ JONCKHEERE: +- if $p_J < 0.01$

Hematology (means) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------------|--------------|---------------|----------------|----------------|-----------------|
| RBC (T/l) | | | | | |
| week: -1 | 6.193 | 6.178 | 6.273 | 5.633* | 5.743 |
| 7 | 6.321 | 6.445 | 6.460 | 6.005 | 5.973 |
| 13 | 6.423 | 6.483 | 6.408 | 6.110 | 6.063 |
| Hb (mmol/l) | | | | | |
| week: -1 | 8.775 | 8.750 | 9.025 | 7.925* | 8.125* |
| 7 | 8.850 | 9.075 | 9.175 | 8.425 | 8.375 |
| 13 | 9.000 | 9.200 | 9.125 | 8.500 | 8.550 |
| Hct (l) | | | | | |
| week: -1 | 0.410 | 0.415 | 0.430 | 0.374* | 0.387 |
| 7 | 0.424 | 0.437 | 0.441 | 0.403 | 0.406 |
| 13 | 0.422 | 0.429 | 0.426 | 0.399 | 0.402 |
| MCV (fl) | | | | | |
| week: -1 | 66.20 | 67.15 | 68.50 | 66.45 | 67.40 |
| 7 | 67.15 | 67.83 | 68.30 | 67.15 | 68.05 |
| 13 | 65.83 | 66.18 | 66.40 | 65.23 | 66.28 |
| RDW (l) | | | | | |
| week: -1 | 0.144 | 0.139 | 0.145 | 0.146 | 0.146 |
| 7 | 0.136 | 0.132 | 0.133 | 0.138 | 0.137 |
| 13 | 0.134 | 0.129 | 0.131 | 0.134 | 0.137 |
| MCH (fmol) | | | | | |
| week: -1 | 1.423 | 1.418 | 1.438 | 1.413 | 1.418 |
| 7 | 1.403 | 1.410 | 1.423 | 1.403 | 1.403 |
| 13 | 1.405 | 1.418 | 1.423 | 1.390 | 1.410 |
| MCHC (mmol/l) | | | | | |
| week: -1 | 21.48 | 21.09 | 20.98 | 21.25 | 21.03* |
| 7 | 20.86 | 20.76 | 20.84 | 20.90 | 20.57 |
| 13 | 21.35 | 21.44 | 21.44 | 21.31 | 21.31 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (means) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| HDW (mmol/l) | | | | | |
| week: -1 | 1.108 | 1.048 | 1.083 | 1.055 | 1.175 |
| 7 | 1.184 | 1.158 | 1.145 | 1.223 | 1.140 |
| 13 | 1.130 | 1.093 | 1.140 | 1.100 | 1.070 |
| Reti (1) | | | | | |
| week: -1 | 0.022 | 0.025 | 0.028 | 0.020 | 0.022 |
| 7 | 0.018 | 0.019 | 0.019 | 0.020 | 0.019 |
| 13 | 0.019 | 0.018 | 0.019 | 0.016 | 0.017 |
| WBC (G/l) | | | | | |
| week: -1 | 10.59 | 10.80 | 10.64 | 9.965 | 9.883 |
| 7 | 10.85 | 10.79 | 12.41* | 12.15 | 10.64 |
| 13 | 9.670 | 10.45 | 11.16 | 10.04 | 9.173 |
| Neut (1) | | | | | |
| week: -1 | 0.572 | 0.537 | 0.491* | 0.514 | 0.503 |
| 7 | 0.571 | 0.533 | 0.559 | 0.564 | 0.537 |
| 13 | 0.569 | 0.560 | 0.577 | 0.558 | 0.541 |
| Eos (1) | | | | | |
| week: -1 | 0.027 | 0.022 | 0.033 | 0.027 | 0.026 |
| 7 | 0.026 | 0.025 | 0.028 | 0.032 | 0.024 |
| 13 | 0.022 | 0.022 | 0.022 | 0.017 | 0.016 |
| Baso (1) | | | | | |
| week: -1 | 0.005 | 0.006 | 0.006 | 0.005 | 0.005 |
| 7 | 0.003 | 0.005 | 0.005 | 0.003 | 0.004 |
| 13 | 0.004 | 0.004 | 0.004 | 0.004 | 0.003 |
| Lympho (1) | | | | | |
| week: -1 | 0.343 | 0.375 | 0.421 | 0.395 | 0.397 |
| 7 | 0.347 | 0.375 | 0.352 | 0.337 | 0.364 |
| 13 | 0.347 | 0.350 | 0.332 | 0.353 | 0.377 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (means) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------------|--------------|---------------|----------------|----------------|-----------------|
| Mono (1) | | | | | |
| week: -1 | 0.049 | 0.056 | 0.044 | 0.054 | 0.064 |
| 7 | 0.050 | 0.058 | 0.054 | 0.060 | 0.068 |
| 13 | 0.050 | 0.059 | 0.057 | 0.061 | 0.054 |
| Luc (1) | | | | | |
| week: -1 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| 7 | 0.003 | 0.004 | 0.004 | 0.005 | 0.004 |
| 13 | 0.009 | 0.007 | 0.008 | 0.008 | 0.008 |
| Neut (G/l) | | | | | |
| week: -1 | 6.093 | 5.803 | 5.223 | 5.135 | 5.005 |
| 7 | 6.183 | 5.783 | 6.928 | 6.983 | 5.725 |
| 13 | 5.605 | 5.908 | 6.468 | 5.588 | 4.963 |
| Eos (G/l) | | | | | |
| week: -1 | 0.290 | 0.243 | 0.353 | 0.268 | 0.265 |
| 7 | 0.280 | 0.273 | 0.340 | 0.343 | 0.253 |
| 13 | 0.208 | 0.218 | 0.238 | 0.180 | 0.148 |
| Baso (G/l) | | | | | |
| week: -1 | 0.053 | 0.058 | 0.065 | 0.050 | 0.048 |
| 7 | 0.036 | 0.048 | 0.058 | 0.038 | 0.035 |
| 13 | 0.038 | 0.038 | 0.043 | 0.035 | 0.028 |
| Lympho (G/l) | | | | | |
| week: -1 | 3.585 | 4.033 | 4.470* | 3.925 | 3.883 |
| 7 | 3.780 | 4.023 | 4.370 | 4.005 | 3.865 |
| 13 | 3.263 | 3.608 | 3.695 | 3.550 | 3.465 |
| Mono (G/l) | | | | | |
| week: -1 | 0.523 | 0.610 | 0.480 | 0.543 | 0.638 |
| 7 | 0.544 | 0.623 | 0.665 | 0.735 | 0.720 |
| 13 | 0.478 | 0.605 | 0.628 | 0.600 | 0.500 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (means) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| Luc (G/l) | | | | | |
| week: -1 | 0.045 | 0.055 | 0.053 | 0.048 | 0.050 |
| 7 | 0.031 | 0.043 | 0.040 | 0.053* | 0.043 |
| 13 | 0.080 | 0.073 | 0.090 | 0.083 | 0.068 |
| Plt (G/l) | | | | | |
| week: -1 | 287.0 | 270.5 | 303.3 | 263.5 | 294.8 |
| 7 | 313.5 | 293.5 | 313.5 | 303.8 | 331.0 |
| 13 | 287.8 | 293.3 | 286.5 | 289.0 | 326.0 |
| PT(CS) (sec) | | | | | |
| week: -1 | 30.52 | 31.11 | 33.34 | 34.53 | 33.99 |
| 7 | 31.39 | 32.92 | 35.36 | 35.07 | 34.54 |
| 13 | 29.34 | 32.10 | 33.15 | 34.17* | 33.38* |

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Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:WILCOXON: * if $p_W < 0.05$ JONCKHEERE: +- if $p_J < 0.01$ **Hematology (means) : females**

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------|--------------|---------------|----------------|----------------|-----------------|
| RBC | | | | | |
| (T/l) | | | | | |
| week: -1 | 6.683 | 6.755 | 6.614 | 6.745 | 6.785 |
| 7 | 7.058 | 7.100 | 6.708 | 7.035 | 6.785 |
| 13 | 6.665 | 6.893 | 6.570 | 6.830 | 6.610 |
| Hb | | | | | |
| (mmol/l) | | | | | |
| week: -1 | 9.400 | 9.538 | 9.400 | 9.550 | 9.375 |
| 7 | 9.825 | 9.975 | 9.475 | 9.825 | 9.325 |
| 13 | 9.425 | 9.775 | 9.400 | 9.700 | 9.325 |
| Hct | | | | | |
| (l) | | | | | |
| week: -1 | 0.448 | 0.459 | 0.448 | 0.453 | 0.452 |
| 7 | 0.472 | 0.477 | 0.449 | 0.472 | 0.448 |
| 13 | 0.443 | 0.455 | 0.435 | 0.453 | 0.436 |
| MCV | | | | | |
| (fl) | | | | | |
| week: -1 | 66.98 | 67.95 | 67.64 | 67.24 | 66.50 |
| 7 | 66.93 | 67.20 | 66.93 | 67.23 | 66.13 |
| 13 | 66.48 | 66.10 | 66.18 | 66.25 | 66.05 |
| RDW | | | | | |
| (l) | | | | | |
| week: -1 | 0.140 | 0.147 | 0.142 | 0.143 | 0.147 |
| 7 | 0.135 | 0.136 | 0.133 | 0.136 | 0.138 |
| 13 | 0.130 | 0.135 | 0.133 | 0.134 | 0.136 |
| MCH | | | | | |
| (fmol) | | | | | |
| week: -1 | 1.405 | 1.411 | 1.423 | 1.418 | 1.383 |
| 7 | 1.393 | 1.403 | 1.410 | 1.400 | 1.373 |
| 13 | 1.413 | 1.420 | 1.433 | 1.420 | 1.408 |
| MCHC | | | | | |
| (mmol/l) | | | | | |
| week: -1 | 20.97 | 20.83 | 21.01 | 21.07 | 20.76 |
| 7 | 20.79 | 20.89 | 21.08* | 20.82 | 20.72 |
| 13 | 21.26 | 21.47 | 21.65* | 21.46 | 21.33 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (means) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| HDW (mmol/l) | | | | | |
| week: -1 | 1.103 | 1.104 | 1.064 | 1.069 | 1.098 |
| 7 | 1.165 | 1.185 | 1.128 | 1.143 | 1.118 |
| 13 | 1.090 | 1.110 | 1.090 | 1.090 | 1.100 |
| Reti (1) | | | | | |
| week: -1 | 0.021 | 0.023 | 0.023 | 0.019 | 0.022 |
| 7 | 0.021 | 0.020 | 0.017 | 0.016* | 0.020 |
| 13 | 0.017 | 0.016 | 0.016 | 0.015 | 0.015 |
| WBC (G/l) | | | | | |
| week: -1 | 9.613 | 13.06 | 9.445 | 9.834 | 10.51 |
| 7 | 12.26 | 11.24 | 9.238 | 9.283 | 11.07 |
| 13 | 10.86 | 10.56 | 9.308 | 9.230 | 10.70 |
| Neut (1) | | | | | |
| week: -1 | 0.524 | 0.616 | 0.544 | 0.524 | 0.569 |
| 7 | 0.565 | 0.611 | 0.569 | 0.521 | 0.607 |
| 13 | 0.599 | 0.625 | 0.589 | 0.580 | 0.612 |
| Eos (1) | | | | | |
| week: -1 | 0.030 | 0.019 | 0.025 | 0.033 | 0.031 |
| 7 | 0.027 | 0.021 | 0.024 | 0.052 | 0.027 |
| 13 | 0.022 | 0.018 | 0.020 | 0.030 | 0.029 |
| Baso (1) | | | | | |
| week: -1 | 0.006 | 0.005 | 0.005 | 0.005 | 0.006 |
| 7 | 0.005 | 0.006 | 0.004* | 0.005 | 0.004 |
| 13 | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 |
| Lympho (1) | | | | | |
| week: -1 | 0.395 | 0.302 | 0.377 | 0.391 | 0.345 |
| 7 | 0.353 | 0.323 | 0.356 | 0.366 | 0.316 |
| 13 | 0.325 | 0.305 | 0.336 | 0.335 | 0.307 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (means) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------------|--------------|---------------|----------------|----------------|-----------------|
| Mono (1) | | | | | |
| week: -1 | 0.042 | 0.054 | 0.046 | 0.043 | 0.045 |
| 7 | 0.046 | 0.036 | 0.046 | 0.054 | 0.044 |
| 13 | 0.043 | 0.040 | 0.044 | 0.046 | 0.043 |
| Luc (1) | | | | | |
| week: -1 | 0.004 | 0.004 | 0.004 | 0.005 | 0.005 |
| 7 | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 |
| 13 | 0.007 | 0.007 | 0.007 | 0.005* | 0.006 |
| Neut (G/l) | | | | | |
| week: -1 | 5.043 | 8.399 | 5.154 | 5.103 | 5.945 |
| 7 | 7.143 | 6.948 | 5.280 | 4.773 | 6.708 |
| 13 | 6.588 | 6.653 | 5.563 | 5.400 | 6.520 |
| Eos (G/l) | | | | | |
| week: -1 | 0.293 | 0.226 | 0.228 | 0.315 | 0.318 |
| 7 | 0.335 | 0.215 | 0.213 | 0.450 | 0.295 |
| 13 | 0.245 | 0.193 | 0.178 | 0.243 | 0.313 |
| Baso (G/l) | | | | | |
| week: -1 | 0.058 | 0.053 | 0.045 | 0.048 | 0.065 |
| 7 | 0.063 | 0.058 | 0.030* | 0.045 | 0.043 |
| 13 | 0.045 | 0.053 | 0.038 | 0.035 | 0.043 |
| Lympho (G/l) | | | | | |
| week: -1 | 3.778 | 3.558 | 3.559 | 3.908 | 3.663 |
| 7 | 4.085 | 3.565 | 3.263 | 3.503 | 3.498 |
| 13 | 3.435 | 3.160 | 3.063 | 3.095 | 3.300 |
| Mono (G/l) | | | | | |
| week: -1 | 0.413 | 0.770 | 0.424 | 0.418 | 0.470 |
| 7 | 0.593 | 0.408 | 0.425 | 0.485 | 0.490 |
| 13 | 0.465 | 0.430 | 0.408 | 0.405 | 0.458 |

Test No.: 943128

Test Article: CGA 329351 tech.

4.9. Blood chemistry

Mean values are presented in the following tables. Individual values and their statistics are given in the Appendices A and B of this report. Reference values from previous studies are given in Appendix D.

Increased alkaline phosphatase activities were noted in males and females of group 5 (1250 ppm) after 7 and 13 weeks of treatment. No further changes of toxicological relevance were seen in any of the blood chemistry parameters investigated.

The mean plasma concentrations of cholesterol and phospholipids in males of group 4 (250 ppm) and group 5 (1250 ppm) were below the control values already at pretest and remained stable over the treatment period. These differences could therefore not be attributed to the treatment. In the same dose groups minimally reduced calcium concentrations were noted after 13 weeks. The magnitude of these changes was judged to be too small to be toxicologically relevant. This conclusion is supported by the absence of any corroborative changes indicating toxicity. Among the females, minimally increased sodium levels were recorded after 7 weeks of treatment in groups 3, 4 and 5 (125, 250, 1250 ppm). However, the observation was not reproduced after 13 weeks and the values remained within the range of reference values. An influence of the treatment was therefore considered to be unlikely. Other minimal deviations occurred without any relation to the dose administered. Also these findings were therefore not attributed to the treatment.

3-MONTH SUBCHRONIC DIETARY TOXICITY STUDY IN BEAGLE DOGS

Test No.: 943128
 Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05
 JONCKHEERE: +- if p_J < 0.01

Blood chemistry (means) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------|--------------|---------------|----------------|----------------|-----------------|
| Gluc (mmol/l) | | | | | |
| week: -1 | 5.673 | 5.955 | 6.075* | 5.713 | 5.865 |
| 7 | 5.700 | 5.710 | 6.293* | 5.528 | 5.933 |
| 13 | 5.820 | 5.655 | 5.888 | 5.570 | 5.525 |
| Urea (mmol/l) | | | | | |
| week: -1 | 3.270 | 3.093 | 3.328 | 3.388 | 4.060 |
| 7 | 3.483 | 3.213 | 3.323 | 3.648 | 3.480 |
| 13 | 3.945 | 3.625 | 3.710 | 4.120 | 3.968 |
| Creat-e (umol/l) | | | | | |
| week: -1 | 66.05 | 69.60 | 73.83 | 67.53 | 75.33* |
| 7 | 64.18 | 71.88* | 76.03 + | 67.93 | 73.50 |
| 13 | 73.90 | 77.90 | 74.90 | 72.60 | 77.25 |
| Bili-tot (umol/l) | | | | | |
| week: -1 | 1.858 | 2.380 | 2.500* | 2.380 | 2.020 |
| 7 | 2.385 | 2.753 | 2.935* | 2.875 | 2.508 |
| 13 | 2.693 | 2.938 | 2.938 | 2.998 | 2.878 |
| Prot (g/l) | | | | | |
| week: -1 | 54.24 | 55.35 | 54.59 | 52.75 | 54.47 |
| 7 | 55.49 | 57.03 | 57.29 | 54.80 | 54.33 |
| 13 | 57.72 | 59.73 | 58.78 | 57.27 | 56.76 |
| Alb (g/l) | | | | | |
| week: -1 | 31.18 | 30.93 | 31.82 | 29.85 | 30.68 |
| 7 | 31.48 | 32.21 | 33.17 | 31.78 | 30.83 |
| 13 | 32.88 | 32.98 | 34.28 | 32.55 | 32.27 |
| Glob (g/l) | | | | | |
| week: -1 | 23.07 | 24.42 | 22.78 | 22.90 | 23.78 |
| 7 | 24.01 | 24.82 | 24.12 | 23.03 | 23.50 |
| 13 | 24.85 | 26.76 | 24.50 | 24.72 | 24.49 |

Blood chemistry (means) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------------------|--------------|---------------|----------------|----------------|-----------------|
| A/G (1) | | | | | |
| week: -1 | 1.358 | 1.275 | 1.403 | 1.310 | 1.290 |
| 7 | 1.315 | 1.298 | 1.380 | 1.380 | 1.315 |
| 13 | 1.330 | 1.240 | 1.403 | 1.320 | 1.320 |
| Chol (mmol/l) | | | | | |
| week: -1 | 4.390 | 4.088 | 3.688 | 3.455* | 3.390*- |
| 7 | 4.578 | 3.880 | 3.866 | 3.475* | 3.285*- |
| 13 | 4.293 | 4.023 | 3.743 | 3.575 | 3.513* |
| Trigly (mmol/l) | | | | | |
| week: -1 | 0.430 | 0.423 | 0.494 | 0.343 | 0.363 |
| 7 | 0.408 | 0.320 | 0.303 | 0.315 | 0.308 |
| 13 | 0.293 | 0.261 | 0.298 | 0.273 | 0.275 |
| Phos-Lip (mmol/l) | | | | | |
| week: -1 | 5.116 | 4.888 | 4.508 | 4.203* | 4.048*- |
| 7 | 5.090 | 4.535 | 4.571 | 4.168* | 4.110*- |
| 13 | 4.923 | 4.841 | 4.623 | 4.343 | 4.383 |
| Na+ (mmol/l) | | | | | |
| week: -1 | 147.6 | 145.9 | 147.2 | 147.2 | 146.7 |
| 7 | 147.1 | 146.4 | 147.6 | 146.2 | 146.5 |
| 13 | 147.5 | 148.0 | 147.8 | 147.1 | 146.1 |
| K+ (mmol/l) | | | | | |
| week: -1 | 4.595 | 4.880 | 4.815 | 4.485 | 4.720 |
| 7 | 4.580 | 4.445 | 4.655 | 4.578 | 4.653 |
| 13 | 4.735 | 4.835 | 4.720 | 4.560 | 4.580 |
| Ca++ (mmol/l) | | | | | |
| week: -1 | 2.825 | 2.795 | 2.830 | 2.745* | 2.743 |
| 7 | 2.933 | 2.940 | 2.955 | 2.833 | 2.845 |
| 13 | 2.783 | 2.753 | 2.773 | 2.665* | 2.633*- |

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Blood chemistry (means) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------------|--------------|---------------|----------------|----------------|-----------------|
| Cl- (mmol/l) | | | | | |
| week: -1 | 109.7 | 109.9 | 108.8 | 110.8 | 109.6 |
| 7 | 108.1 | 107.7 | 107.7 | 109.7 | 110.2 |
| 13 | 113.4 | 113.2 | 111.8 | 114.5 | 113.4 |
| PO4-in (mmol/l) | | | | | |
| week: -1 | 2.215 | 2.225 | 2.220 | 2.310 | 2.090 |
| 7 | 1.983 | 1.885 | 2.006 | 1.973 | 1.803* |
| 13 | 1.668 | 1.625 | 1.725 | 1.830* | 1.583 |
| ASAT (GOT) (U/l) | | | | | |
| week: -1 | 18.79 | 24.06 | 21.13 | 19.73 | 21.13 |
| 7 | 23.03 | 24.70 | 25.30 | 24.98 | 21.13 |
| 13 | 20.95 | 20.98 | 23.00 | 21.45 | 19.88 |
| ALAT (GPT) (U/l) | | | | | |
| week: -1 | 50.01 | 49.63 | 42.75 | 39.43 | 41.48 |
| 7 | 66.90 | 47.75 | 44.98 | 41.09 | 41.30 |
| 13 | 73.40 | 49.08 | 49.05 | 47.20 | 42.93 |
| ALP (U/l) | | | | | |
| week: -1 | 92.65 | 107.0 | 126.4* | 104.3 | 107.5 |
| 7 | 80.46 | 93.38 | 107.3 | 87.68 | 150.1* |
| 13 | 65.00 | 76.98 | 84.58 | 79.23 | 135.2*+ |
| GGT (U/l) | | | | | |
| week: -1 | 4.000 | 3.825 | 3.675 | 3.350 | 3.975 |
| 7 | 1.275 | 2.050 | 0.800 | 2.675 | 3.500 |
| 13 | 4.125 | 3.650 | 3.175 | 3.675 | 4.325 |
| CK (U/l) | | | | | |
| week: -1 | 187.6 | 223.4 | 225.0 | 216.0 | 212.6 |
| 7 | 178.9 | 173.1 | 289.9 | 214.9 | 191.4 |
| 13 | 148.2 | 172.2 | 203.5* | 181.5 | 170.1 |

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Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if $p_W < 0.05$ JONCKHEERE: +- if $p_J < 0.01$

Blood chemistry (means) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------|--------------|---------------|----------------|----------------|-----------------|
| Gluc (mmol/l) | | | | | |
| week: -1 | 5.743 | 5.370 | 6.003 | 5.875 | 5.500 |
| 7 | 5.875 | 5.660 | 6.268 | 5.728 | 5.788 |
| 13 | 5.505 | 5.463 | 5.858 | 5.570 | 5.310 |
| Urea (mmol/l) | | | | | |
| week: -1 | 4.020 | 3.808 | 4.210 | 3.798 | 4.013 |
| 7 | 3.730 | 3.915 | 4.330 | 4.330 | 3.723 |
| 13 | 4.075 | 4.220 | 4.258 | 4.185 | 4.158 |
| Creat-e (umol/l) | | | | | |
| week: -1 | 79.10 | 75.75 | 79.90 | 79.03 | 76.70 |
| 7 | 79.23 | 73.73 | 80.65 | 77.05 | 75.40 |
| 13 | 78.38 | 74.43 | 82.95 | 80.90 | 77.88 |
| Bili-tot (umol/l) | | | | | |
| week: -1 | 2.440 | 2.618 | 2.260 | 2.345 | 2.530 |
| 7 | 2.755 | 2.755 | 2.693 | 2.755 | 2.570 |
| 13 | 2.755 | 3.490 | 3.245 | 3.120 | 2.570 |
| Prot (g/l) | | | | | |
| week: -1 | 55.08 | 54.97 | 53.98 | 54.59 | 55.73 |
| 7 | 55.45 | 54.74 | 53.32 | 54.38 | 54.95 |
| 13 | 57.43 | 57.97 | 58.48 | 56.75 | 57.58 |
| Alb (g/l) | | | | | |
| week: -1 | 32.27 | 33.31* | 32.69 | 32.71 | 33.30* |
| 7 | 32.43 | 33.20 | 32.91 | 33.02 | 32.81 |
| 13 | 33.24 | 34.25 | 34.52 | 33.96 | 33.43 |
| Glob (g/l) | | | | | |
| week: -1 | 22.81 | 21.67 | 21.29 | 21.89 | 22.43 |
| 7 | 23.02 | 21.54 | 20.41* | 21.37* | 22.14 |
| 13 | 24.19 | 23.72 | 23.96 | 22.80 | 24.15 |

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Blood chemistry (means) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------|--------------|---------------|----------------|----------------|-----------------|
| A/G (1) | | | | | |
| week: -1 | 1.420 | 1.545 | 1.535 | 1.498 | 1.488 |
| 7 | 1.413 | 1.575 | 1.613* | 1.548* | 1.490 |
| 13 | 1.380 | 1.448 | 1.443 | 1.493 | 1.390 |
| Chol (mmol/l) | | | | | |
| week: -1 | 3.918 | 3.734 | 3.963 | 4.140 | 4.035 |
| 7 | 4.078 | 3.678 | 3.848 | 4.363 | 3.745 |
| 13 | 4.056 | 3.633 | 3.923 | 4.433 | 3.690 |
| Trigly (mmol/l) | | | | | |
| week: -1 | 0.430 | 0.470 | 0.373 | 0.465 | 0.380 |
| 7 | 0.330 | 0.390 | 0.284 | 0.360 | 0.375 |
| 13 | 0.265 | 0.280 | 0.220 | 0.285 | 0.273 |
| Phos-Lip (mmol/l) | | | | | |
| week: -1 | 4.563 | 4.616 | 4.508 | 4.698 | 4.843 |
| 7 | 4.688 | 4.438 | 4.430 | 5.003 | 4.635 |
| 13 | 4.699 | 4.480 | 4.608 | 5.023 | 4.633 |
| Na+ (mmol/l) | | | | | |
| week: -1 | 147.6 | 148.5 | 148.8 | 148.0 | 149.2 |
| 7 | 145.3 | 145.5 | 147.5* | 148.0*+ | 148.0*+ |
| 13 | 147.7 | 147.6 | 148.6 | 149.1 | 148.4 |
| K+ (mmol/l) | | | | | |
| week: -1 | 4.304 | 4.368 | 4.318 | 4.388 | 4.415 |
| 7 | 4.178 | 4.329 | 4.098 | 4.223 | 4.055 |
| 13 | 4.045 | 4.228 | 4.078 | 4.075 | 3.998 |
| Ca++ (mmol/l) | | | | | |
| week: -1 | 2.720 | 2.755 | 2.773* | 2.780* | 2.843*+ |
| 7 | 2.865 | 2.905 | 2.845 | 2.923 | 2.878 |
| 13 | 2.645 | 2.675 | 2.673 | 2.645 | 2.678 |

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Blood chemistry (means) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------------|--------------|---------------|----------------|----------------|-----------------|
| Cl- (mmol/l) | | | | | |
| week: -1 | 110.8 | 110.3 | 110.1 | 111.0 | 110.9 |
| 7 | 111.1 | 109.2 | 108.4 | 108.1 | 109.2 |
| 13 | 114.7 | 113.4* | 114.5 | 115.2 | 114.1 |
| PO4-in (mmol/l) | | | | | |
| week: -1 | 1.918 | 1.990 | 2.048 | 2.083* | 1.940 |
| 7 | 1.830 | 1.994 | 1.763 | 1.978 | 1.598* |
| 13 | 1.425 | 1.600 | 1.505 | 1.525 | 1.533 |
| ASAT (GOT) (U/l) | | | | | |
| week: -1 | 18.05 | 21.90 | 20.80 | 23.45 | 24.23* |
| 7 | 17.80 | 24.70 | 19.73 | 23.15 | 21.63 |
| 13 | 17.54 | 24.55 | 18.25 | 18.65 | 20.50 |
| ALAT (GPT) (U/l) | | | | | |
| week: -1 | 43.65 | 46.64 | 45.73 | 50.90 | 52.05 |
| 7 | 44.63 | 44.25 | 48.50 | 49.05 | 42.55 |
| 13 | 47.38 | 47.40 | 48.15 | 48.50 | 45.93 |
| ALP (U/l) | | | | | |
| week: -1 | 82.55 | 106.8* | 76.51 | 91.70 | 93.95* |
| 7 | 78.33 | 89.38 | 64.80 | 90.65 | 173.0*+ |
| 13 | 64.10 | 70.83 | 59.43 | 76.90 | 165.9*+ |
| GGT (U/l) | | | | | |
| week: -1 | 3.025 | 3.525 | 2.838 | 1.900 | 3.650* |
| 7 | 1.425 | 0.625 | 1.875 | 1.600 | 3.425 |
| 13 | 2.700 | 2.850 | 2.225 | 3.475 | 2.700 |
| CK (U/l) | | | | | |
| week: -1 | 189.0 | 208.6 | 215.2 | 242.0 | 264.7 |
| 7 | 125.4 | 194.5* | 140.2 | 250.0 | 171.7 |
| 13 | 114.3 | 170.9* | 124.8 | 136.7 | 130.6* |

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4.10. Urine analysis

Mean values are presented in the following tables. Individual values and their statistics are given in the Appendices A and B of this report. Reference values from previous studies are given in Appendix D.

Treatment had no influence on urine parameters investigated.

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Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05
 JONCKHEERE: +- if p_J < 0.01

Urine analysis (means) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| Rel dens (1) | | | | | |
| week: -1 | 1.034 | 1.026 | 1.040 | 1.021 | 1.031 |
| 7 | 1.018 | 1.025 | 1.031 | 1.013 | 1.017 |
| 13 | 1.029 | 1.030 | 1.031 | 1.022 | 1.021 |
| pH (1) | | | | | |
| week: -1 | 6.250 | 6.000 | 7.375 | 5.875 | 5.875 |
| 7 | 5.750 | 5.625 | 6.250 | 5.750 | 5.125 |
| 13 | 6.188 | 6.250 | 6.375 | 6.125 | 6.000 |

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Test No.: 943128

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Statistical tests and flags used:

WILCOXON: * if $p_W < 0.05$
 JONCKHEERE: +- if $p_J < 0.01$

Urine analysis (means) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| Rel dens (1) | | | | | |
| week: -1 | 1.039 | 1.024 | 1.021 | 1.027 | 1.023 |
| 7 | 1.020 | 1.022 | 1.025 | 1.016 | 1.016 |
| 13 | 1.035 | 1.029 | 1.024 | 1.019* | 1.029 |
| pH (1) | | | | | |
| week: -1 | 6.375 | 6.250 | 6.125 | 6.938 | 7.000 |
| 7 | 5.875 | 6.375 | 6.500 | 6.250 | 6.750 |
| 13 | 6.500 | 6.625 | 7.667 | 7.750* | 6.750 |

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Test No.: 943128

Test Article: CGA 329351 tech.

No statistical tests performed

Urine analysis (incidence) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------------|--------------|---------------|----------------|----------------|-----------------|
| Color (choice) | | | | | |
| week: -1 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 7 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 13 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| Prot (score) | | | | | |
| week: -1 | 2/4 | 1/4 | 3/4 | 0/4 | 1/4 |
| 7 | 1/4 | 0/4 | 1/4 | 0/4 | 1/4 |
| 13 | 0/4 | 0/4 | 1/4 | 1/4 | 0/4 |
| Gluc (score) | | | | | |
| week: -1 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 7 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 13 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| Keto (score) | | | | | |
| week: -1 | 2/4 | 0/4 | 1/4 | 1/4 | 1/4 |
| 7 | 0/4 | 0/4 | 2/4 | 0/4 | 2/4 |
| 13 | 2/4 | 2/4 | 4/4 | 2/4 | 3/4 |
| Bili (score) | | | | | |
| week: -1 | 1/4 | 0/4 | 0/4 | 1/4 | 0/4 |
| 7 | 1/4 | 2/4 | 1/4 | 0/4 | 1/4 |
| 13 | 3/4 | 3/4 | 2/4 | 1/4 | 1/4 |
| Blood (score) | | | | | |
| week: -1 | 0/4 | 1/4 | 0/4 | 0/4 | 0/4 |
| 7 | 0/4 | 0/4 | 0/4 | 1/4 | 0/4 |
| 13 | 0/4 | 0/4 | 0/4 | 1/4 | 0/4 |
| UBG (score) | | | | | |
| week: -1 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 7 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 13 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |

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Test Article: CGA 329351 tech.

No statistical tests performed

Urine analysis (incidence) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------------|--------------|---------------|----------------|----------------|-----------------|
| Color (choice) | | | | | |
| week: -1 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 7 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 13 | 0/4 | 0/4 | 0/3 | 0/4 | 0/4 |
| Prot (score) | | | | | |
| week: -1 | 2/4 | 0/4 | 1/4 | 2/4 | 1/4 |
| 7 | 1/4 | 1/4 | 1/4 | 0/4 | 0/4 |
| 13 | 3/4 | 2/4 | 1/3 | 2/4 | 1/4 |
| Gluc (score) | | | | | |
| week: -1 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 7 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 13 | 0/4 | 0/4 | 0/3 | 0/4 | 0/4 |
| Keto (score) | | | | | |
| week: -1 | 3/4 | 1/4 | 2/4 | 2/4 | 2/4 |
| 7 | 4/4 | 4/4 | 2/4 | 2/4 | 3/4 |
| 13 | 4/4 | 4/4 | 1/3 | 0/4 | 3/4 |
| Bili (score) | | | | | |
| week: -1 | 1/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 7 | 1/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 13 | 1/4 | 0/4 | 0/3 | 0/4 | 0/4 |
| Blood (score) | | | | | |
| week: -1 | 0/4 | 0/4 | 0/4 | 0/4 | 1/4 |
| 7 | 0/4 | 0/4 | 1/4 | 1/4 | 0/4 |
| 13 | 2/4 | 3/4 | 1/3 | 1/4 | 1/4 |
| UBG (score) | | | | | |
| week: -1 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 7 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 13 | 0/4 | 0/4 | 0/3 | 0/4 | 0/4 |

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Urine analysis (incidence) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------------|--------------|---------------|----------------|----------------|-----------------|
| RBC (score) | | | | | |
| week: 7 | 0/4 | 0/4 | 1/4 | 1/4 | 0/4 |
| 13 | 0/4 | 1/4 | 2/3 | 1/4 | 0/4 |
| WBC (score) | | | | | |
| week: 7 | 1/4 | 0/4 | 1/4 | 0/4 | 0/4 |
| 13 | 2/4 | 3/4 | 0/3 | 0/4 | 1/4 |
| Epi-squa (score) | | | | | |
| week: 7 | 0/4 | 0/4 | 1/4 | 1/4 | 0/4 |
| Epi-tr (score) | | | | | |
| week: -1 | 2/4 | 1/4 | 2/4 | 1/4 | 2/4 |
| 7 | 1/4 | 2/4 | 2/4 | 2/4 | 1/4 |
| 13 | 3/4 | 3/4 | 3/3 | 2/4 | 4/4 |
| Cry-P04 (score) | | | | | |
| week: -1 | 3/4 | 0/4 | 1/4 | 1/4 | 2/4 |
| 7 | 1/4 | 3/4 | 2/4 | 0/4 | 2/4 |
| 13 | 0/4 | 1/4 | 2/3 | 1/4 | 2/4 |

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4.11.1. Organ weights (means)

Statistical tests and flags used:

WILCOXON: * if $p_W < 0.05$ JONCKHEERE: +- if $p_J < 0.01$

Organ weights (means): males week 14

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------------|--------------|---------------|----------------|----------------|-----------------|
| Body (kg) | 10.31 | 10.44 | 10.89 | 10.78 | 10.36 |
| Brain (g) | 83.93 | 83.99 | 80.93 | 90.15* | 80.87 |
| Heart (g) | 99.50 | 98.21 | 95.05 | 93.10 | 97.61 |
| Liver (g) | 325.4 | 343.6 | 349.4 | 336.5 | 407.1** |
| Kidney (both) (g) | 52.36 | 51.80 | 52.18 | 54.02 | 52.42 |
| Adrenal (both) (g) | 1.074 | 1.057 | 1.153 | 1.119 | 1.160 |
| Thymus (g) | 6.612 | 7.122 | 7.675 | 7.481 | 7.705 |
| Testis (both) (g) | 18.25 | 16.45 | 17.90 | 17.08 | 16.48 |
| Spleen (g) | 22.92 | 35.39* | 31.07 | 38.36* | 32.89 |
| Thyroid gland (g) | 0.778 | 0.866 | 0.956* | 0.901 | 0.947 |

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Test Article: CGA 329351 tech.

Statistical tests and flags used:WILCOXON: * if $p_W < 0.05$ JONCKHEERE: +- if $p_J < 0.01$ **Organ weights (means): females week 14**

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------------|--------------|---------------|----------------|----------------|-----------------|
| Body (kg) | 10.18 | 10.10 | 9.825 | 9.625 | 9.775 |
| Brain (g) | 83.32 | 83.40 | 81.74 | 81.36 | 82.54 |
| Heart (g) | 103.0 | 87.44* | 91.16 | 95.25 | 92.72* |
| Liver (g) | 302.9 | 288.8 | 297.5 | 293.7 | 387.3* |
| Kidney (both) (g) | 48.86 | 48.18 | 40.67* | 43.15 | 47.01 |
| Adrenal (both) (g) | 1.228 | 1.051* | 1.255 | 1.181 | 1.217 |
| Thymus (g) | 9.680 | 7.465 | 9.256 | 8.584 | 7.168 |
| Ovary (both) (g) | 0.880 | 0.717 | 1.409 | 1.290 | 1.172 |
| Spleen (g) | 46.68 | 29.93 | 43.22 | 29.77 | 34.10 |
| Thyroid gland (g) | 0.770 | 0.897 | 0.741 | 0.757 | 0.766 |

4.11.2. Organ to body weight ratios (means)

Statistical tests and flags used:

WILCOXON: * if $p_W < 0.05$
 JONCKHEERE: +- if $p_J < 0.01$

Organ to body weight ratios (means): males week 14

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------------------|--------------|---------------|----------------|----------------|-----------------|
| Brain (o/oo) | 8.146 | 8.055 | 7.440* | 8.364 | 7.843 |
| Heart (o/oo) | 9.653 | 9.416 | 8.742 | 8.637*+ | 9.465 |
| Liver (o/oo) | 31.57 | 32.99 | 32.12 | 31.25 | 39.41* |
| Kidney (both) (o/oo) | 5.080 | 4.979 | 4.793 | 5.014 | 5.062 |
| Adrenal (both) (o/oo) | 0.104 | 0.101 | 0.106 | 0.104 | 0.112 |
| Thymus (o/oo) | 0.645 | 0.678 | 0.704 | 0.690 | 0.754 |
| Testis (both) (o/oo) | 1.769 | 1.576 | 1.646 | 1.587 | 1.597 |
| Spleen (o/oo) | 2.221 | 3.380 | 2.840 | 3.591 | 3.121 |
| Thyroid gland (o/oo) | 0.076 | 0.083 | 0.088 | 0.084 | 0.091* |

Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05

JONCKHEERE: +- if p_J < 0.01

Organ to body weight ratios (means): females week 14

| Dose (ppm) | group 1 | group 2 | group 3 | group 4 | group 5 |
|--------------------------|---------|---------|---------|---------|---------|
| 0 | 50 | 125 | 250 | 1250 | |
| Brain (o/oo) | 8.184 | 8.255 | 8.327 | 8.474 | 8.443 |
| Heart (o/oo) | 10.12 | 8.680* | 9.273 | 9.939 | 9.496 |
| Liver (o/oo) | 29.77 | 28.55 | 30.36 | 30.45 | 39.72*+ |
| Kidney (both) (o/oo) | 4.813 | 4.782 | 4.151 | 4.496 | 4.815 |
| Adrenal (both) (o/oo) | 0.121 | 0.104 | 0.128 | 0.123 | 0.124 |
| Thymus (o/oo) | 0.946 | 0.737 | 0.941 | 0.873 | 0.729 |
| Ovary (both) (o/oo) | 0.087 | 0.072 | 0.141 | 0.130 | 0.119 |
| Spleen (o/oo) | 4.547 | 2.942 | 4.352 | 3.071 | 3.445 |
| Thyroid gland (o/oo) | 0.076 | 0.088 | 0.075 | 0.078 | 0.078 |

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Test No.: 943128

Test Article: CGA 329351 tech.

4.12. Pathology

The results and the tabulated summaries of the gross pathological and histopathological examination are presented below.

Detailed findings for individual animals are presented in Appendix B.

4.12.1. Macroscopical findings

Only a few macroscopical findings were observed in some control and treated animals. They were similar to those occurring spontaneously in our colony of dogs and their distribution among the groups did not indicate a relationship to treatment. Thus no toxicological relevance was attributed to these findings.

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Summary tables of macroscopical findings

(all observed findings)

SUMMARY OF MACROSCOPICAL FINDINGS IN MALES

Removal code : all Observation period : all

Selected experimental group(s) : all

Selected animals : all

Selected findings : all

| Group | 1 | 2 | 3 | 4 | 5 |
|---|-------|-------|-------|-------|-------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| ----- | ----- | ----- | ----- | ----- | ----- |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Treatment ended in observation period, selected | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |

Abbreviations used in pathology tables

S1, S2.... scheduled sacrifice(s)
 MS moribund sacrifice
 FD found dead
 AD accidental death

SUMMARY OF MACROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|---------------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |
| SKIN | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| MAMMARY AREA | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| SPLEEN | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| CERVICAL LYMPH NODE | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| MESENTERIC LYMPH NODE | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| POPLITEAL LYMPH NODE | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| STERNUM WITH BONE MARROW | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| ----- | | | | | |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |
| RIB WITH CARTILAGE | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| SKELETAL MUSCLE | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| TRACHEA | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| LUNG | | | | | |
| NODULE (<.5 CM) | | | | | |
| S1 | 0 | 0 | 0 | 1 | 0 |
| Total | 0 | 0 | 0 | 1 | 0 |
| MOTTLED | | | | | |
| S1 | 1 | 0 | 1 | 0 | 1 |
| Total | 1 | 0 | 1 | 0 | 1 |
| NO CHANGES OBSERVED | | | | | |
| S1 | 3 | 4 | 3 | 3 | 3 |
| Total | 3 | 4 | 3 | 3 | 3 |
| HEART | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| AORTA | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |

| | | | | | |
|----------------------------|---|---|---|---|---|
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |

SUBMANDIBULAR SALIVARY GLAND**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

LIVER**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

GALL BLADDER**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

PANCREAS**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

OESOPHAGUS**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

STOMACH**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

SMALL INTESTINE**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |

| | | | | | |
|----------------------------|---|---|---|---|---|
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |

LARGE INTESTINE**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

KIDNEY**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

URINARY BLADDER**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

PROSTATE**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

TESTIS**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

EPIDIDYMIS**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

PITUITARY GLAND**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |

| | | | | | |
|----------------------------|---|---|---|---|---|
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |

ADRENAL GLAND

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

THYROID WITH PARATHYROID GLAND

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

THYMUS

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

PERIPHERAL NERVE

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

BRAIN

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

SPINAL CORD

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

EYE WITH OPTIC NERVE

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |

LACRIMAL GLAND

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

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Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN FEMALES

Removal code : all Observation period : all

Selected experimental group(s): all

Selected animals: all

Selected findings : all

| Group | 1 | 2 | 3 | 4 | 5 |
|--|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| ----- | | | | | |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| | | | | | |
| Treatment ended in observation period, <u>selected</u> | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |

Abbreviations used in pathology tables

S1, S2..... scheduled sacrifice(s)
 MS moribund sacrifice
 FD found dead
 AD accidental death

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SUMMARY OF MACROSCOPICAL FINDINGS IN FEMALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |

SKIN

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

MAMMARY AREA

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

SPLEEN

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

CERVICAL LYMPH NODE

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

MESENTERIC LYMPH NODE

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

POPLITEAL LYMPH NODE

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

STERNUM WITH BONE MARROW

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN FEMALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |

| | | | | | |
|----------------------------|---|---|---|---|---|
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |

RIB WITH CARTILAGE**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

SKELETAL MUSCLE**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

TRACHEA**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

LUNG**MOTTLED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 3 | 4 | 4 | 4 | 4 |
| Total | 3 | 4 | 4 | 4 | 4 |

HEART**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

AORTA**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

SUBMANDIBULAR SALIVARY GLAND**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN FEMALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |
| LIVER | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| GALL BLADDER | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| PANCREAS | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| OESOPHAGUS | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| STOMACH | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| SMALL INTESTINE | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| LARGE INTESTINE | | | | | |
| NO CHANGES OBSERVED | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN FEMALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |

| | | | | | |
|----------------------------|---|---|---|---|---|
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |

KIDNEY

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

URINARY BLADDER

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

VAGINA

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

UTERUS

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

OVARY

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 3 | 4 | 4 |
| Total | 4 | 4 | 3 | 4 | 4 |

CYST

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 1 | 0 | 0 |
| Total | 0 | 0 | 1 | 0 | 0 |

PITUITARY GLAND

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

ADRENAL GLAND

NO CHANGES OBSERVED

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MACROSCOPICAL FINDINGS IN FEMALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |

| | | | | | |
|----------------------------|---|---|---|---|---|
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |

THYROID WITH PARATHYROID GLAND**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

THYMUS**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

PERIPHERAL NERVE**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

BRAIN**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

SPINAL CORD**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

EYE WITH OPTIC NERVE**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

LACRIMAL GLAND**NO CHANGES OBSERVED**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

4.12.2. Microscopical findings

A variety of different lesions found in this study commonly occurs in our colony of dogs and neither their morphological features, nor their distribution among the groups indicated a relationship to the treatment.

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Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MICROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |

| | | | | | |
|----------------------------|---|---|---|---|---|
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |

SKIN

INFLAMMATORY CELL INFILTRATION

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |

SKIN HAIR FOLLICLE

PARASITIC GRANULOMA

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 0 | 1 | 1 |
| Total | 0 | 0 | 0 | 1 | 1 |

INFLAMMATORY CELL INFILTRATION

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 1 | 0 | 0 |
| Total | 0 | 0 | 1 | 0 | 0 |

LYMPHOCYTIC INFILTRATION

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 1 | 0 | 1 | 0 |
| Total | 0 | 1 | 0 | 1 | 0 |

BONE MARROW

FATTY ATROPHY

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

SPLEEN

CONGESTION

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 2 | 3 | 2 | 2 | 3 |
| Total | 2 | 3 | 2 | 2 | 3 |

HAEMOSIDEROSIS

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 3 | 1 | 3 | 0 | 1 |
| Total | 3 | 1 | 3 | 0 | 1 |

SPLENIC WHITE PULP LYMPHATIC FOLLICLE

HYPERPLASIA

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |

SUMMARY OF MICROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|---------------------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |
| BRONCHUS | | | | | |
| FOREIGN BODY | | | | | |
| S1 | 0 | 0 | 1 | 0 | 0 |
| Total | 0 | 0 | 1 | 0 | 0 |
| LUNG | | | | | |
| ACUTE BRONCHOPNEUMONIA | | | | | |
| S1 | 0 | 0 | 1 | 0 | 1 |
| Total | 0 | 0 | 1 | 0 | 1 |
| FIBROSIS | | | | | |
| S1 | 0 | 0 | 0 | 1 | 0 |
| Total | 0 | 0 | 0 | 1 | 0 |
| HAEMOSIDEROSIS | | | | | |
| S1 | 0 | 0 | 1 | 0 | 0 |
| Total | 0 | 0 | 1 | 0 | 0 |
| LUNG BLOOD VESSEL | | | | | |
| DILATATION | | | | | |
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |
| LIVER | | | | | |
| INFLAMMATORY CELL INFILTRATION | | | | | |
| S1 | 4 | 2 | 1 | 0 | 1 |
| Total | 4 | 2 | 1 | 0 | 1 |
| FATTY CHANGE | | | | | |
| S1 | 1 | 1 | 1 | 0 | 1 |
| Total | 1 | 1 | 1 | 0 | 1 |
| ORGANIZING NECROSIS | | | | | |
| S1 | 0 | 1 | 0 | 1 | 0 |
| Total | 0 | 1 | 0 | 1 | 0 |
| DUODENAL MUCOSA | | | | | |
| CYSTIC DILATATION | | | | | |
| S1 | 0 | 0 | 0 | 1 | 0 |
| Total | 0 | 0 | 0 | 1 | 0 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MICROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |

| | | | | | |
|----------------------------|---|---|---|---|---|
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |

RENAL PAPILLA**CALCIFICATION**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

URINARY BLADDER**INFLAMMATORY OEDEMA**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 1 | 0 | 0 |
| Total | 0 | 0 | 1 | 0 | 0 |

PROSTATE**CHRONIC INFLAMMATION**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 1 | 1 | 0 | 0 |
| Total | 0 | 1 | 1 | 0 | 0 |

LYMPHOCYtic INFILTRATION

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 1 | 0 | 0 | 0 |
| Total | 0 | 1 | 0 | 0 | 0 |

PROSTATIC GLANDULAR TISSUE**ATROPHY**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 1 | 0 | 0 | 1 | 0 |
| Total | 1 | 0 | 0 | 1 | 0 |

TESTIS SPERMATOGENIC EPITHELIUM**SPERMATIC GIANT CELL**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 0 | 1 | 0 |
| Total | 0 | 0 | 0 | 1 | 0 |

EPIDIDYMIS**SPERMATIC GRANULOMA**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 0 | 0 | 1 |

EPIDIDYMIS ARTERY**POLYARTERITIS**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 0 | 1 | 0 |
| Total | 0 | 0 | 0 | 1 | 0 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MICROSCOPICAL FINDINGS IN MALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |

PITUITARY GLAND

| | | | | | |
|-------------------------------|---|---|---|---|---|
| No exam. for technical reason | 0 | 0 | 0 | 0 | 1 |
|-------------------------------|---|---|---|---|---|

ADENOHYPOPHYSIS

DEVELOPMENTAL CYST

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 1 | 1 | 1 | 0 |
| Total | 0 | 1 | 1 | 1 | 0 |

ADRENAL GLAND

DEVELOPMENTAL MALFORMATION

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 1 | 0 | 0 |
| Total | 0 | 0 | 1 | 0 | 0 |

ADRENAL CORTEX

FATTY CHANGE

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 1 | 0 | 1 |
| Total | 0 | 0 | 1 | 0 | 1 |

THYROID GLAND

DEVELOPMENTAL CYST

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 1 | 0 | 1 |
| Total | 0 | 0 | 1 | 0 | 1 |

C-CELL OF THYROID

HYPERPLASIA

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 2 | 0 | 0 | 0 |
| Total | 0 | 2 | 0 | 0 | 0 |

PARATHYROID GLAND

DEVELOPMENTAL CYST

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 1 | 2 | 0 | 0 | 0 |
| Total | 1 | 2 | 0 | 0 | 0 |

THYMUS

LYMPHOID HYPERPLASIA

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MICROSCOPICAL FINDINGS IN FEMALES

Removal code : all Observation period : all

Selected experimental group(s): all

Selected animals: all

Selected findings : all

| | | | | | |
|----------------|---|----|-----|-----|------|
| Group | 1 | 2 | 3 | 4 | 5 |
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |

| | | | | | |
|----------------------------|---|---|---|---|---|
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
|----------------------------|---|---|---|---|---|

| | | | | | |
|--|---|---|---|---|---|
| Treatment ended in observation period, <u>selected</u> | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Abbreviations used in pathology tables

| | |
|-------------|------------------------|
| S1, S2..... | scheduled sacrifice(s) |
| MS | moribund sacrifice |
| FD | found dead |
| AD | accidental death |

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 =====

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MICROSCOPICAL FINDINGS IN FEMALES

| Group | 1 | 2 | 3 | 4 | 5 |
|---------------------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |
| SKIN | | | | | |
| INFLAMMATORY CELL INFILTRATION | | | | | |
| S1 | 1 | 0 | 0 | 1 | 1 |
| Total | 1 | 0 | 0 | 1 | 1 |
| EPIDERMIS | | | | | |
| ACANTHOSIS | | | | | |
| S1 | 1 | 0 | 0 | 0 | 1 |
| Total | 1 | 0 | 0 | 0 | 1 |
| SKIN HAIR FOLLICLE | | | | | |
| CHRONIC INFLAMMATION | | | | | |
| S1 | 0 | 1 | 1 | 0 | 0 |
| Total | 0 | 1 | 1 | 0 | 0 |
| PARASITIC GRANULOMA | | | | | |
| S1 | 0 | 1 | 0 | 0 | 0 |
| Total | 0 | 1 | 0 | 0 | 0 |
| INFLAMMATORY CELL INFILTRATION | | | | | |
| S1 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 0 | 0 | 1 |
| BONE MARROW | | | | | |
| FATTY ATROPHY | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| SPLEEN | | | | | |
| CONGESTION | | | | | |
| S1 | 3 | 1 | 2 | 1 | 1 |
| Total | 3 | 1 | 2 | 1 | 1 |
| HAEMOSIDEROSIS | | | | | |
| S1 | 2 | 4 | 3 | 3 | 3 |
| Total | 2 | 4 | 3 | 3 | 3 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MICROSCOPICAL FINDINGS IN FEMALES

| Group | 1 | 2 | 3 | 4 | 5 |
|---|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |
| BRONCHUS | | | | | |
| FOREIGN BODY | | | | | |
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |
| FOREIGN BODY GRANULOMA | | | | | |
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |
| LUNG | | | | | |
| CHRONIC BRONCHOPNEUMONIA | | | | | |
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |
| HEART ARTERY | | | | | |
| CHRONIC NECROTIZING INFLAMMATION | | | | | |
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |
| LIVER | | | | | |
| INFLAMMATORY CELL INFILTRATION | | | | | |
| S1 | 0 | 0 | 1 | 3 | 0 |
| Total | 0 | 0 | 1 | 3 | 0 |
| FATTY CHANGE | | | | | |
| S1 | 1 | 1 | 2 | 2 | 2 |
| Total | 1 | 1 | 2 | 2 | 2 |
| RENAL PAPILLA | | | | | |
| INFLAMMATORY CELL INFILTRATION | | | | | |
| S1 | 0 | 1 | 0 | 0 | 0 |
| Total | 0 | 1 | 0 | 0 | 0 |
| CALCIFICATION | | | | | |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MICROSCOPICAL FINDINGS IN FEMALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |

VAGINA**LYMPHOCYTTIC INFILTRATION**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 0 | 2 | 0 |
| Total | 0 | 0 | 0 | 2 | 0 |

OVARY**CORPUS LUTEUM CYST**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 1 | 0 | 0 |
| Total | 0 | 0 | 1 | 0 | 0 |

OVARIAN FOLLICLE**HYPERCELLULARITY**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 2 | 1 | 0 | 0 | 1 |
| Total | 2 | 1 | 0 | 0 | 1 |

ADENOHYPOPHYSIS**DEVELOPMENTAL CYST**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 1 | 4 | 0 | 1 | 1 |
| Total | 1 | 4 | 0 | 1 | 1 |

ADRENAL CORTEX**FATTY CHANGE**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 0 | 1 | 1 |
| Total | 0 | 0 | 0 | 1 | 1 |

THYROID GLAND**DEVELOPMENTAL CYST**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 1 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 |

C-CELL OF THYROID**HYPERPLASIA**

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 0 | 0 | 1 | 1 |
| Total | 0 | 0 | 0 | 1 | 1 |

Test No.: 943128

Test Article: CGA 329351 tech.

SUMMARY OF MICROSCOPICAL FINDINGS IN FEMALES

| Group | 1 | 2 | 3 | 4 | 5 |
|----------------------------|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| ----- | | | | | |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |

PARATHYROID GLAND

DEVELOPMENTAL CYST

| | | | | | |
|-------|---|---|---|---|---|
| S1 | 0 | 2 | 1 | 0 | 0 |
| Total | 0 | 2 | 1 | 0 | 0 |

LACRIMAL GLAND

| | | | | | |
|-----------------------------------|-----|-----|-----|-----|-----|
| One organ, no exam. tech. reasons | (0) | (1) | (1) | (0) | (0) |
|-----------------------------------|-----|-----|-----|-----|-----|

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5. APPENDIX A: STATISTICAL DATA

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5.1. Body weight (statistics)

Statistical tests and flags used:

* if p_W < 0.05
 +- if p_J < 0.01

Body weight (statistics) : males
 (kg/animal)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------|--------------|---------------|----------------|----------------|-----------------|
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.850 | 9.525 | 9.925 | 10.08 | 9.575 |
| Median | 9.950 | 9.550 | 10.00 | 10.20 | 9.150 |
| Min | 8.700 | 9.100 | 9.100 | 9.500 | 8.900 |
| Max | 10.80 | 9.900 | 10.60 | 10.40 | 11.10 |
| p _W | | 0.375 | 1.000 | 0.564 | 0.772 |
| p _J | | | 0.942 | 0.427 | 0.921 |
| week: 1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.950 | 9.675 | 10.20 | 10.30 | 9.650 |
| Median | 10.10 | 9.650 | 10.30 | 10.40 | 9.250 |
| Min | 8.800 | 9.300 | 9.400 | 9.900 | 8.900 |
| Max | 10.80 | 10.10 | 10.80 | 10.50 | 11.20 |
| p _W | | 0.386 | 0.559 | 0.561 | 0.773 |
| p _J | | | 0.510 | 0.191 | 0.842 |
| week: 2 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.00 | 9.700 | 10.18 | 10.38 | 9.775 |
| Median | 10.15 | 9.650 | 10.20 | 10.45 | 9.450 |
| Min | 9.000 | 9.400 | 9.400 | 9.900 | 8.900 |
| Max | 10.70 | 10.10 | 10.90 | 10.70 | 11.30 |
| p _W | | 0.306 | 0.773 | 0.468 | 0.564 |
| p _J | | | 0.884 | 0.283 | 0.974 |
| week: 3 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.18 | 9.875 | 10.40 | 10.55 | 9.975 |
| Median | 10.35 | 9.850 | 10.45 | 10.50 | 9.600 |
| Min | 9.200 | 9.500 | 9.600 | 10.30 | 9.200 |
| Max | 10.80 | 10.30 | 11.10 | 10.90 | 11.50 |
| p _W | | 0.309 | 0.773 | 0.554 | 0.663 |
| p _J | | | 0.770 | 0.243 | 0.894 |
| week: 4 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.38 | 10.05 | 10.55 | 10.73 | 10.15 |
| Median | 10.55 | 10.00 | 10.60 | 10.65 | 9.800 |
| Min | 9.400 | 9.800 | 9.700 | 10.40 | 9.400 |
| Max | 11.00 | 10.40 | 11.30 | 11.20 | 11.60 |
| p _W | | 0.306 | 0.663 | 0.468 | 0.663 |
| p _J | | | 0.826 | 0.243 | 0.894 |

Test No.: 943128

Test Article: CGA 329351 tech.

Body weight (statistics) : males
(kg/animal)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 5 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.50 | 10.35 | 10.83 | 10.95 | 10.38 |
| Median | 10.65 | 10.35 | 10.75 | 10.90 | 9.950 |
| Min | 9.600 | 10.10 | 10.10 | 10.70 | 9.700 |
| Max | 11.10 | 10.60 | 11.70 | 11.30 | 11.90 |
| p_W | | 0.309 | 0.663 | 0.191 | 0.773 |
| p_J | | | 0.942 | 0.191 | 0.894 |
| week: 6 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.58 | 10.43 | 10.90 | 11.10 | 10.50 |
| Median | 10.75 | 10.40 | 10.85 | 11.10 | 10.10 |
| Min | 9.700 | 10.20 | 10.20 | 10.70 | 9.900 |
| Max | 11.10 | 10.70 | 11.70 | 11.50 | 11.90 |
| p_W | | 0.306 | 0.564 | 0.180 | 0.773 |
| p_J | | | 0.826 | 0.176 | 0.842 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.70 | 10.55 | 10.98 | 11.15 | 10.58 |
| Median | 10.80 | 10.50 | 10.95 | 11.00 | 10.20 |
| Min | 9.900 | 10.30 | 10.30 | 10.90 | 9.900 |
| Max | 11.30 | 10.90 | 11.70 | 11.70 | 12.00 |
| p_W | | 0.468 | 0.564 | 0.189 | 0.663 |
| p_J | | | 0.770 | 0.148 | 0.842 |
| week: 8 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.80 | 10.68 | 11.13 | 11.33 | 10.73 |
| Median | 10.95 | 10.60 | 11.10 | 11.30 | 10.35 |
| Min | 10.00 | 10.50 | 10.40 | 11.00 | 10.10 |
| Max | 11.30 | 11.00 | 11.90 | 11.70 | 12.10 |
| p_W | | 0.465 | 0.564 | 0.102 | 0.773 |
| p_J | | | 0.714 | 0.123 | 0.790 |
| week: 9 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.88 | 10.83 | 11.25 | 11.48 | 10.83 |
| Median | 11.05 | 10.75 | 11.15 | 11.45 | 10.40 |
| Min | 10.20 | 10.60 | 10.60 | 11.10 | 10.30 |
| Max | 11.20 | 11.20 | 12.10 | 11.90 | 12.20 |
| p_W | | 0.663 | 0.564 | 0.080 | 0.772 |
| p_J | | | 0.714 | 0.112 | 0.790 |

Test No.: 943128

Test Article: CGA 329351 tech.

Body weight (statistics) : males
(kg/animal)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 10 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.93 | 10.90 | 11.35 | 11.45 | 10.90 |
| Median | 11.10 | 10.80 | 11.30 | 11.45 | 10.50 |
| Min | 10.20 | 10.70 | 10.70 | 11.00 | 10.20 |
| Max | 11.30 | 11.30 | 12.10 | 11.90 | 12.40 |
| p_W | | 0.659 | 0.561 | 0.189 | 0.661 |
| p_J | | | 0.608 | 0.148 | 0.894 |
| week: 11 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 11.00 | 10.98 | 11.45 | 11.48 | 10.98 |
| Median | 11.15 | 10.90 | 11.40 | 11.50 | 10.50 |
| Min | 10.30 | 10.70 | 10.80 | 10.90 | 10.40 |
| Max | 11.40 | 11.40 | 12.20 | 12.00 | 12.50 |
| p_W | | 0.661 | 0.564 | 0.191 | 0.772 |
| p_J | | | 0.608 | 0.191 | 0.947 |
| week: 12 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.95 | 11.05 | 11.50 | 11.40 | 10.90 |
| Median | 11.00 | 10.95 | 11.40 | 11.45 | 10.40 |
| Min | 10.50 | 10.80 | 10.90 | 10.90 | 10.30 |
| Max | 11.30 | 11.50 | 12.30 | 11.80 | 12.50 |
| p_W | | 1.000 | 0.559 | 0.245 | 0.243 |
| p_J | | | 0.464 | 0.243 | 0.816 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 11.03 | 11.03 | 11.45 | 11.50 | 10.93 |
| Median | 11.00 | 10.90 | 11.40 | 11.50 | 10.50 |
| Min | 10.60 | 10.80 | 10.80 | 10.90 | 10.30 |
| Max | 11.50 | 11.50 | 12.20 | 12.10 | 12.40 |
| p_W | | 0.882 | 0.468 | 0.191 | 0.245 |
| p_J | | | 0.510 | 0.176 | 0.921 |

Statistical tests and flags used:

5.1.2.e Woo * if p_W < 0.05
 +- if p_J < 0.01

Body weight (statistics) : females
 (kg/animal)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.00 | 9.950 | 9.800 | 9.525 | 9.725 |
| Median | 10.15 | 9.800 | 9.650 | 9.450 | 9.700 |
| Min | 9.200 | 9.700 | 8.800 | 8.700 | 8.900 |
| Max | 10.50 | 10.50 | 11.10 | 10.50 | 10.60 |
| p_W | | 0.661 | 0.773 | 0.309 | 0.564 |
| p_J | | | 0.608 | 0.327 | 0.388 |
| week: 1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.18 | 10.10 | 9.950 | 9.575 | 9.825 |
| Median | 10.30 | 10.10 | 9.800 | 9.450 | 9.800 |
| Min | 9.400 | 9.500 | 9.000 | 8.800 | 9.000 |
| Max | 10.70 | 10.70 | 11.20 | 10.60 | 10.70 |
| p_W | | 0.770 | 0.663 | 0.248 | 0.468 |
| p_J | | | 0.608 | 0.191 | 0.245 |
| week: 2 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.10 | 10.10 | 9.900 | 9.650 | 9.825 |
| Median | 10.30 | 10.00 | 9.750 | 9.600 | 9.800 |
| Min | 9.300 | 9.700 | 9.100 | 8.800 | 9.000 |
| Max | 10.50 | 10.70 | 11.00 | 10.60 | 10.70 |
| p_W | | 0.773 | 0.661 | 0.468 | 0.561 |
| p_J | | | 0.608 | 0.304 | 0.319 |
| week: 3 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.25 | 10.23 | 10.00 | 9.800 | 9.950 |
| Median | 10.45 | 10.15 | 9.850 | 9.800 | 9.950 |
| Min | 9.500 | 9.800 | 9.100 | 8.900 | 9.200 |
| Max | 10.60 | 10.80 | 11.20 | 10.70 | 10.70 |
| p_W | | 0.773 | 0.468 | 0.468 | 0.564 |
| p_J | | | 0.510 | 0.327 | 0.335 |
| week: 4 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.33 | 10.33 | 10.18 | 9.900 | 10.00 |
| Median | 10.50 | 10.25 | 10.00 | 9.800 | 10.00 |
| Min | 9.500 | 9.900 | 9.300 | 9.100 | 9.300 |
| Max | 10.80 | 10.90 | 11.40 | 10.90 | 10.70 |
| p_W | | 0.772 | 0.772 | 0.384 | 0.381 |
| p_J | | | 0.661 | 0.350 | 0.273 |

Test No.: 943128

Test Article: CGA 329351 tech.

Body weight (statistics) : females
(kg/animal)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 5 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.50 | 10.50 | 10.25 | 10.10 | 10.25 |
| Median | 10.65 | 10.45 | 10.10 | 10.15 | 10.25 |
| Min | 9.700 | 10.20 | 9.300 | 9.200 | 9.400 |
| Max | 11.00 | 10.90 | 11.50 | 10.90 | 11.10 |
| p_W | | 0.884 | 0.468 | 0.468 | 0.564 |
| p_J | | | 0.464 | 0.350 | 0.425 |
| week: 6 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.63 | 10.48 | 10.28 | 10.15 | 10.30 |
| Median | 10.75 | 10.35 | 10.15 | 10.20 | 10.30 |
| Min | 9.900 | 10.10 | 9.300 | 9.200 | 9.600 |
| Max | 11.10 | 11.10 | 11.50 | 11.00 | 11.00 |
| p_W | | 0.663 | 0.386 | 0.468 | 0.384 |
| p_J | | | 0.421 | 0.304 | 0.319 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.68 | 10.63 | 10.33 | 10.23 | 10.30 |
| Median | 10.85 | 10.55 | 10.25 | 10.25 | 10.25 |
| Min | 9.900 | 10.20 | 9.300 | 9.300 | 9.600 |
| Max | 11.10 | 11.20 | 11.50 | 11.10 | 11.10 |
| p_W | | 1.000 | 0.468 | 0.468 | 0.468 |
| p_J | | | 0.510 | 0.375 | 0.352 |
| week: 8 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.73 | 10.75 | 10.35 | 10.33 | 10.30 |
| Median | 10.90 | 10.65 | 10.30 | 10.40 | 10.30 |
| Min | 10.00 | 10.30 | 9.300 | 9.400 | 9.600 |
| Max | 11.10 | 11.40 | 11.50 | 11.10 | 11.00 |
| p_W | | 1.000 | 0.465 | 0.375 | 0.245 |
| p_J | | | 0.510 | 0.350 | 0.232 |
| week: 9 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.83 | 10.78 | 10.43 | 10.40 | 10.40 |
| Median | 10.95 | 10.75 | 10.45 | 10.50 | 10.40 |
| Min | 10.20 | 10.30 | 9.300 | 9.400 | 9.600 |
| Max | 11.20 | 11.30 | 11.50 | 11.20 | 11.20 |
| p_W | | 0.766 | 0.561 | 0.538 | 0.372 |
| p_J | | | 0.661 | 0.455 | 0.406 |

Test No.: 943128

Test Article: CGA 329351 tech.

Body weight (statistics) : females
(kg/animal)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 10 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.80 | 10.78 | 10.33 | 10.35 | 10.33 |
| Median | 10.90 | 10.75 | 10.40 | 10.45 | 10.25 |
| Min | 10.20 | 10.20 | 9.100 | 9.400 | 9.600 |
| Max | 11.20 | 11.40 | 11.40 | 11.10 | 11.20 |
| p_W | | 1.000 | 0.564 | 0.375 | 0.381 |
| p_J | | | 0.510 | 0.327 | 0.288 |
| week: 11 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.85 | 10.78 | 10.38 | 10.40 | 10.40 |
| Median | 11.00 | 10.75 | 10.45 | 10.45 | 10.35 |
| Min | 10.20 | 10.20 | 9.100 | 9.500 | 9.700 |
| Max | 11.20 | 11.40 | 11.50 | 11.20 | 11.20 |
| p_W | | 0.884 | 0.561 | 0.375 | 0.297 |
| p_J | | | 0.510 | 0.350 | 0.303 |
| week: 12 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.85 | 10.83 | 10.53 | 10.40 | 10.38 |
| Median | 10.95 | 10.80 | 10.65 | 10.45 | 10.40 |
| Min | 10.20 | 10.30 | 9.200 | 9.500 | 9.600 |
| Max | 11.30 | 11.40 | 11.60 | 11.20 | 11.10 |
| p_W | | 0.773 | 0.770 | 0.468 | 0.243 |
| p_J | | | 0.770 | 0.427 | 0.232 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.88 | 10.78 | 10.53 | 10.40 | 10.35 |
| Median | 10.95 | 10.80 | 10.65 | 10.40 | 10.40 |
| Min | 10.20 | 10.20 | 9.300 | 9.400 | 9.600 |
| Max | 11.40 | 11.30 | 11.50 | 11.40 | 11.00 |
| p_W | | 0.885 | 0.770 | 0.468 | 0.191 |
| p_J | | | 0.661 | 0.427 | 0.219 |

Test No.: 943128

Test Article: CGA 329351 tech.

5.2. Food consumption (statistics)

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05

JONCKHEERE: +- if p_J < 0.01

Food consumption (statistics) : males
(g/animal/day)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 2 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 3 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 4 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |

Test No.: 943128

Test Article: CGA 329351 tech.

Food consumption (statistics) : males
 (g/animal/day)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 5 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 6 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 8 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 9 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 10 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |

Test No.: 943128

Test Article: CGA 329351 tech.

Food consumption (statistics) : males
(g/animal/day)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 11 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 12 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |

Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05

JONCKHEERE: +- if p_J < 0.01

Food consumption (statistics) : females
(g/animal/day)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 348.9 | 346.4 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 347.1 | 350.0 |
| Min | 350.0 | 350.0 | 345.7 | 341.4 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 0.317 | 0.131 | 1.000 |
| p_J | | | 0.558 | 0.161 | 0.550 |
| week: 1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 342.9 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 321.4 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 0.317 | 1.000 |
| p_J | | | 1.000 | 0.575 | 0.790 |
| week: 2 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 3 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 349.3 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 347.1 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 0.317 | 1.000 | 1.000 |
| p_J | | | 0.558 | 0.852 | 1.000 |
| week: 4 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 346.8 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 337.1 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 0.317 | 1.000 | 1.000 |
| p_J | | | 0.558 | 0.852 | 1.000 |

Food consumption (statistics) : females
 (g/animal/day)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 5 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 6 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 348.9 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 345.7 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 0.317 | 1.000 |
| p_J | | | 1.000 | 0.575 | 0.790 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 8 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 9 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 341.8 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 317.1 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 0.317 | 1.000 | 1.000 |
| p_J | | | 0.558 | 0.852 | 1.000 |
| week: 10 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |

Test No.: 943128

Test Article: CGA 329351 tech.

Food consumption (statistics) : females
(g/animal/day)

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 11 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 12 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Median | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Min | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| Max | 350.0 | 350.0 | 350.0 | 350.0 | 350.0 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 1.000 | 1.000 | 1.000 |

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Test No.: 943128

Test Article: CGA 329351 tech.

5.3. Hematology (statistics)

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05JONCKHEERE: +- if p_J < 0.01

Hematology (statistics): males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------------|--------------|---------------|----------------|----------------|-----------------|
| RBC (T/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.193 | 6.178 | 6.273 | 5.633 | 5.743 |
| Median | 6.120 | 6.165 | 6.285 | 5.635 | 5.785 |
| Min | 5.930 | 6.090 | 5.860 | 5.320 | 5.430 |
| Max | 6.600 | 6.290 | 6.660 | 5.940 | 5.970 |
| p _W | | 0.773 | 0.773 | 0.043 * | 0.083 |
| p _J | | | 0.558 | 0.093 | 0.020 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.321 | 6.445 | 6.460 | 6.005 | 5.973 |
| Median | 6.313 | 6.450 | 6.435 | 5.945 | 5.875 |
| Min | 6.160 | 6.140 | 6.170 | 5.760 | 5.530 |
| Max | 6.500 | 6.740 | 6.800 | 6.370 | 6.610 |
| p _W | | 0.564 | 0.386 | 0.149 | 0.248 |
| p _J | | | 0.421 | 0.207 | 0.058 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.423 | 6.483 | 6.408 | 6.110 | 6.063 |
| Median | 6.395 | 6.430 | 6.405 | 6.060 | 6.050 |
| Min | 5.990 | 6.160 | 6.160 | 5.920 | 5.700 |
| Max | 6.910 | 6.910 | 6.660 | 6.400 | 6.450 |
| p _W | | 0.885 | 1.000 | 0.248 | 0.149 |
| p _J | | | 1.000 | 0.135 | 0.028 |
| Hb (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 8.775 | 8.750 | 9.025 | 7.925 | 8.125 |
| Median | 8.750 | 8.750 | 9.100 | 7.900 | 8.150 |
| Min | 8.400 | 8.700 | 8.400 | 7.500 | 7.800 |
| Max | 9.200 | 8.800 | 9.500 | 8.400 | 8.400 |
| p _W | | 1.000 | 0.381 | 0.029 * | 0.029 * |
| p _J | | | 0.306 | 0.135 | 0.014 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 8.850 | 9.075 | 9.175 | 8.425 | 8.375 |
| Median | 8.800 | 9.000 | 9.050 | 8.500 | 8.200 |
| Min | 8.700 | 8.500 | 9.000 | 7.800 | 7.800 |
| Max | 9.100 | 9.800 | 9.600 | 8.900 | 9.300 |
| p_W | | 0.559 | 0.106 | 0.180 | 0.245 |
| p_J | | | 0.164 | 0.401 | 0.119 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.000 | 9.200 | 9.125 | 8.500 | 8.550 |
| Median | 9.000 | 9.250 | 9.150 | 8.650 | 8.450 |
| Min | 8.700 | 8.700 | 8.800 | 7.800 | 8.200 |
| Max | 9.300 | 9.600 | 9.400 | 8.900 | 9.100 |
| p_W | | 0.557 | 0.468 | 0.080 | 0.110 |
| p_J | | | 0.608 | 0.148 | 0.024 |
| Hct (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.410 | 0.415 | 0.430 | 0.374 | 0.387 |
| Median | 0.409 | 0.415 | 0.436 | 0.375 | 0.389 |
| Min | 0.392 | 0.411 | 0.398 | 0.357 | 0.371 |
| Max | 0.431 | 0.421 | 0.451 | 0.391 | 0.400 |
| p_W | | 0.386 | 0.248 | 0.021* | 0.059 |
| p_J | | | 0.107 | 0.225 | 0.043 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.424 | 0.437 | 0.441 | 0.403 | 0.406 |
| Median | 0.424 | 0.438 | 0.435 | 0.405 | 0.399 |
| Min | 0.417 | 0.410 | 0.429 | 0.380 | 0.381 |
| Max | 0.432 | 0.464 | 0.465 | 0.423 | 0.447 |
| p_W | | 0.248 | 0.083 | 0.083 | 0.248 |
| p_J | | | 0.124 | 0.375 | 0.144 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.422 | 0.429 | 0.426 | 0.399 | 0.402 |
| Median | 0.418 | 0.429 | 0.426 | 0.407 | 0.400 |
| Min | 0.406 | 0.407 | 0.404 | 0.369 | 0.383 |
| Max | 0.447 | 0.450 | 0.447 | 0.412 | 0.424 |
| p_W | | 0.564 | 0.885 | 0.149 | 0.083 |
| p_J | | | 0.826 | 0.176 | 0.028 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------|--------|--------------|---------------|----------------|----------------|-----------------|
| MCV (fl) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 66.20 | 67.15 | 68.50 | 66.45 | 67.40 |
| | Median | 65.65 | 67.10 | 67.70 | 66.40 | 67.30 |
| | Min | 65.30 | 66.40 | 67.30 | 63.60 | 66.70 |
| | Max | 68.20 | 68.00 | 71.30 | 69.40 | 68.30 |
| | p_W | | 0.248 | 0.149 | 0.663 | 0.149 |
| | p_J | | | 0.057 | 0.484 | 0.370 |
| week: 7 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 67.15 | 67.83 | 68.30 | 67.15 | 68.05 |
| | Median | 66.40 | 67.85 | 68.10 | 67.40 | 67.95 |
| | Min | 65.60 | 66.80 | 67.10 | 64.40 | 67.40 |
| | Max | 70.20 | 68.80 | 69.90 | 69.40 | 68.90 |
| | p_W | | 0.386 | 0.248 | 1.000 | 0.248 |
| | p_J | | | 0.213 | 0.608 | 0.425 |
| week: 13 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 65.83 | 66.18 | 66.40 | 65.23 | 66.28 |
| | Median | 65.15 | 66.00 | 66.30 | 65.40 | 66.10 |
| | Min | 64.30 | 65.20 | 65.00 | 62.30 | 65.70 |
| | Max | 68.70 | 67.50 | 68.00 | 67.80 | 67.20 |
| | p_W | | 0.386 | 0.564 | 0.564 | 0.248 |
| | p_J | | | 0.464 | 0.926 | 0.690 |
| RDW (1) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 0.144 | 0.139 | 0.145 | 0.146 | 0.146 |
| | Median | 0.142 | 0.138 | 0.145 | 0.145 | 0.145 |
| | Min | 0.139 | 0.132 | 0.143 | 0.141 | 0.137 |
| | Max | 0.153 | 0.147 | 0.147 | 0.154 | 0.155 |
| | p_W | | 0.309 | 0.384 | 0.386 | 0.773 |
| | p_J | | | 0.558 | 0.283 | 0.245 |
| week: 7 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 0.136 | 0.132 | 0.133 | 0.138 | 0.137 |
| | Median | 0.137 | 0.131 | 0.134 | 0.136 | 0.137 |
| | Min | 0.129 | 0.129 | 0.129 | 0.131 | 0.133 |
| | Max | 0.142 | 0.137 | 0.135 | 0.148 | 0.141 |
| | p_W | | 0.237 | 0.189 | 0.772 | 1.000 |
| | p_J | | | 0.341 | 0.963 | 0.445 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.134 | 0.129 | 0.131 | 0.134 | 0.137 |
| Median | 0.135 | 0.130 | 0.133 | 0.133 | 0.136 |
| Min | 0.129 | 0.125 | 0.127 | 0.129 | 0.134 |
| Max | 0.138 | 0.132 | 0.133 | 0.140 | 0.140 |
| p_W | | 0.144 | 0.465 | 0.885 | 0.306 |
| p_J | | | 0.661 | 0.815 | 0.104 |
| MCH (fmol) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.423 | 1.418 | 1.438 | 1.413 | 1.418 |
| Median | 1.405 | 1.415 | 1.435 | 1.420 | 1.420 |
| Min | 1.390 | 1.390 | 1.430 | 1.350 | 1.400 |
| Max | 1.490 | 1.450 | 1.450 | 1.460 | 1.430 |
| p_W | | 0.770 | 0.245 | 0.772 | 0.557 |
| p_J | | | 0.164 | 0.484 | 0.790 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.403 | 1.410 | 1.423 | 1.403 | 1.403 |
| Median | 1.380 | 1.400 | 1.410 | 1.420 | 1.405 |
| Min | 1.370 | 1.390 | 1.410 | 1.320 | 1.380 |
| Max | 1.480 | 1.450 | 1.460 | 1.450 | 1.420 |
| p_W | | 0.243 | 0.234 | 0.772 | 0.375 |
| p_J | | | 0.057 | 0.243 | 0.486 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.405 | 1.418 | 1.423 | 1.390 | 1.410 |
| Median | 1.395 | 1.410 | 1.410 | 1.405 | 1.410 |
| Min | 1.350 | 1.380 | 1.410 | 1.320 | 1.390 |
| Max | 1.480 | 1.470 | 1.460 | 1.430 | 1.430 |
| p_W | | 0.655 | 0.442 | 1.000 | 0.554 |
| p_J | | | 0.464 | 0.852 | 0.842 |
| MCHC (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 21.48 | 21.09 | 20.98 | 21.25 | 21.03 |
| Median | 21.43 | 21.09 | 21.13 | 21.18 | 21.04 |
| Min | 21.21 | 20.75 | 20.28 | 21.09 | 20.92 |
| Max | 21.86 | 21.45 | 21.39 | 21.56 | 21.12 |
| p_W | | 0.149 | 0.083 | 0.248 | 0.021 * |
| p_J | | | 0.079 | 0.262 | 0.036 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|----------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 20.86 | 20.76 | 20.84 | 20.90 | 20.57 |
| | Median | 20.89 | 20.74 | 20.84 | 20.95 | 20.63 |
| | Min | 20.60 | 20.51 | 20.67 | 20.55 | 20.14 |
| | Max | 21.06 | 21.05 | 21.00 | 21.16 | 20.90 |
| | p_W | | 0.386 | 0.773 | 0.773 | 0.149 |
| | p_J | | | 0.770 | 0.709 | 0.406 |
| week: 13 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 21.35 | 21.44 | 21.44 | 21.31 | 21.31 |
| | Median | 21.47 | 21.39 | 21.51 | 21.19 | 21.33 |
| | Min | 20.90 | 21.24 | 21.09 | 21.06 | 21.14 |
| | Max | 21.58 | 21.75 | 21.66 | 21.79 | 21.45 |
| | p_W | | 0.772 | 0.564 | 0.773 | 0.309 |
| | p_J | | | 0.770 | 0.674 | 0.425 |
| HDW | (mmol/l) | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 1.108 | 1.048 | 1.083 | 1.055 | 1.175 |
| | Median | 1.085 | 1.050 | 1.090 | 1.060 | 1.110 |
| | Min | 1.010 | 0.970 | 0.990 | 0.990 | 1.080 |
| | Max | 1.250 | 1.120 | 1.160 | 1.110 | 1.400 |
| | p_W | | 0.309 | 0.885 | 0.564 | 0.564 |
| | p_J | | | 0.884 | 0.674 | 0.507 |
| week: 7 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 1.184 | 1.158 | 1.145 | 1.223 | 1.140 |
| | Median | 1.203 | 1.160 | 1.135 | 1.215 | 1.140 |
| | Min | 1.110 | 1.100 | 1.050 | 1.160 | 1.080 |
| | Max | 1.220 | 1.210 | 1.260 | 1.300 | 1.200 |
| | p_W | | 0.306 | 0.564 | 0.564 | 0.248 |
| | p_J | | | 0.421 | 0.575 | 0.715 |
| week: 13 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 1.130 | 1.093 | 1.140 | 1.100 | 1.070 |
| | Median | 1.130 | 1.100 | 1.145 | 1.095 | 1.090 |
| | Min | 1.060 | 1.040 | 1.100 | 1.030 | 0.990 |
| | Max | 1.200 | 1.130 | 1.170 | 1.180 | 1.110 |
| | p_W | | 0.309 | 0.884 | 0.386 | 0.149 |
| | p_J | | | 0.826 | 0.641 | 0.163 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------|--------------|---------------|----------------|----------------|-----------------|
| Reti (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.022 | 0.025 | 0.028 | 0.020 | 0.022 |
| Median | 0.025 | 0.027 | 0.028 | 0.020 | 0.023 |
| Min | 0.015 | 0.019 | 0.020 | 0.014 | 0.016 |
| Max | 0.025 | 0.028 | 0.034 | 0.024 | 0.026 |
| p_W | | 0.146 | 0.146 | 0.189 | 0.559 |
| p_J | | | 0.048 | 0.779 | 0.618 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.018 | 0.019 | 0.019 | 0.020 | 0.019 |
| Median | 0.019 | 0.020 | 0.017 | 0.020 | 0.019 |
| Min | 0.015 | 0.016 | 0.014 | 0.016 | 0.014 |
| Max | 0.021 | 0.021 | 0.027 | 0.024 | 0.023 |
| p_W | | 0.642 | 0.884 | 0.457 | 1.000 |
| p_J | | | 0.826 | 0.641 | 0.842 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.019 | 0.018 | 0.019 | 0.016 | 0.017 |
| Median | 0.019 | 0.019 | 0.018 | 0.014 | 0.018 |
| Min | 0.016 | 0.014 | 0.013 | 0.011 | 0.013 |
| Max | 0.023 | 0.021 | 0.027 | 0.025 | 0.018 |
| p_W | | 0.770 | 0.884 | 0.306 | 0.137 |
| p_J | | | 0.714 | 0.243 | 0.232 |
| WBC (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.59 | 10.80 | 10.64 | 9.965 | 9.883 |
| Median | 10.82 | 10.93 | 10.63 | 9.805 | 10.20 |
| Min | 8.870 | 8.570 | 10.15 | 8.830 | 7.730 |
| Max | 11.86 | 12.79 | 11.16 | 11.42 | 11.41 |
| p_W | | 0.773 | 0.773 | 0.564 | 0.386 |
| p_J | | | 1.000 | 0.513 | 0.303 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.85 | 10.79 | 12.41 | 12.15 | 10.64 |
| Median | 10.75 | 10.87 | 12.43 | 11.08 | 10.59 |
| Min | 10.07 | 9.980 | 11.31 | 9.740 | 9.120 |
| Max | 11.83 | 11.45 | 13.46 | 16.72 | 12.27 |
| p_W | | 1.000 | 0.043 * | 0.773 | 0.773 |
| p_J | | | 0.040 | 0.225 | 0.894 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.670 | 10.45 | 11.16 | 10.04 | 9.173 |
| Median | 9.300 | 10.41 | 11.12 | 10.32 | 9.465 |
| Min | 7.870 | 9.110 | 9.610 | 7.730 | 7.770 |
| Max | 12.21 | 11.89 | 12.80 | 11.78 | 9.990 |
| p_W | | 0.564 | 0.248 | 1.000 | 0.564 |
| p_J | | | 0.188 | 0.641 | 0.507 |
| Neut (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.572 | 0.537 | 0.491 | 0.514 | 0.503 |
| Median | 0.567 | 0.558 | 0.489 | 0.522 | 0.488 |
| Min | 0.532 | 0.443 | 0.454 | 0.444 | 0.470 |
| Max | 0.622 | 0.588 | 0.531 | 0.569 | 0.567 |
| p_W | | 0.386 | 0.021 * | 0.248 | 0.083 |
| p_J | | | 0.028 | 0.076 | 0.063 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.571 | 0.533 | 0.559 | 0.564 | 0.537 |
| Median | 0.582 | 0.561 | 0.572 | 0.544 | 0.539 |
| Min | 0.475 | 0.421 | 0.510 | 0.517 | 0.516 |
| Max | 0.646 | 0.590 | 0.580 | 0.650 | 0.555 |
| p_W | | 0.386 | 0.248 | 0.773 | 0.248 |
| p_J | | | 0.421 | 0.427 | 0.195 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.569 | 0.560 | 0.577 | 0.558 | 0.541 |
| Median | 0.571 | 0.563 | 0.587 | 0.558 | 0.537 |
| Min | 0.467 | 0.472 | 0.488 | 0.525 | 0.508 |
| Max | 0.666 | 0.641 | 0.647 | 0.591 | 0.583 |
| p_W | | 0.773 | 1.000 | 0.564 | 0.564 |
| p_J | | | 0.884 | 0.641 | 0.319 |
| Eos (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.027 | 0.022 | 0.033 | 0.027 | 0.026 |
| Median | 0.029 | 0.020 | 0.031 | 0.029 | 0.026 |
| Min | 0.018 | 0.017 | 0.020 | 0.014 | 0.015 |
| Max | 0.034 | 0.030 | 0.048 | 0.036 | 0.038 |
| p_W | | 0.146 | 0.564 | 0.772 | 0.773 |
| p_J | | | 0.714 | 0.674 | 0.868 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.026 | 0.025 | 0.028 | 0.032 | 0.024 |
| Median | 0.029 | 0.026 | 0.029 | 0.016 | 0.023 |
| Min | 0.016 | 0.022 | 0.015 | 0.013 | 0.017 |
| Max | 0.031 | 0.027 | 0.039 | 0.083 | 0.032 |
| p_W | | 0.245 | 0.773 | 0.309 | 0.773 |
| p_J | | | 0.770 | 0.262 | 0.335 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.022 | 0.022 | 0.022 | 0.017 | 0.016 |
| Median | 0.020 | 0.020 | 0.023 | 0.017 | 0.016 |
| Min | 0.017 | 0.018 | 0.009 | 0.014 | 0.011 |
| Max | 0.029 | 0.028 | 0.033 | 0.022 | 0.023 |
| p_W | | 0.885 | 0.885 | 0.306 | 0.191 |
| p_J | | | 0.884 | 0.455 | 0.153 |
| Baso (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.005 | 0.006 | 0.006 | 0.005 | 0.005 |
| Median | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Min | 0.004 | 0.004 | 0.003 | 0.003 | 0.004 |
| Max | 0.006 | 0.009 | 0.012 | 0.006 | 0.006 |
| p_W | | 1.000 | 1.000 | 0.752 | 0.752 |
| p_J | | | 0.884 | 0.709 | 0.715 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.003 | 0.005 | 0.005 | 0.003 | 0.004 |
| Median | 0.003 | 0.004 | 0.004 | 0.003 | 0.003 |
| Min | 0.002 | 0.003 | 0.003 | 0.002 | 0.002 |
| Max | 0.004 | 0.007 | 0.007 | 0.004 | 0.006 |
| p_W | | 0.375 | 0.180 | 0.765 | 0.882 |
| p_J | | | 0.242 | 0.852 | 0.550 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.004 | 0.004 | 0.004 | 0.004 | 0.003 |
| Median | 0.004 | 0.004 | 0.004 | 0.004 | 0.003 |
| Min | 0.003 | 0.003 | 0.003 | 0.002 | 0.002 |
| Max | 0.005 | 0.004 | 0.005 | 0.005 | 0.004 |
| p_W | | 0.874 | 0.647 | 1.000 | 0.278 |
| p_J | | | 0.608 | 0.744 | 0.425 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 | |
|---------------|--------------|---------------|----------------|----------------|-----------------|-------|
| Lympho | | | | | | |
| (1) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.343 | 0.375 | 0.421 | 0.395 | 0.397 |
| | Median | 0.352 | 0.358 | 0.413 | 0.384 | 0.424 |
| | Min | 0.273 | 0.325 | 0.365 | 0.343 | 0.313 |
| | Max | 0.393 | 0.461 | 0.493 | 0.468 | 0.429 |
| | p_W | | 0.564 | 0.083 | 0.248 | 0.149 |
| | p_J | | | 0.079 | 0.135 | 0.153 |
| week: 7 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.347 | 0.375 | 0.352 | 0.337 | 0.364 |
| | Median | 0.343 | 0.357 | 0.335 | 0.348 | 0.362 |
| | Min | 0.271 | 0.321 | 0.319 | 0.269 | 0.323 |
| | Max | 0.431 | 0.464 | 0.420 | 0.383 | 0.409 |
| | p_W | | 0.564 | 0.564 | 0.773 | 0.773 |
| | p_J | | | 0.661 | 0.575 | 0.974 |
| week: 13 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.347 | 0.350 | 0.332 | 0.353 | 0.377 |
| | Median | 0.351 | 0.357 | 0.307 | 0.352 | 0.377 |
| | Min | 0.256 | 0.270 | 0.270 | 0.327 | 0.334 |
| | Max | 0.431 | 0.417 | 0.445 | 0.380 | 0.422 |
| | p_W | | 0.773 | 0.773 | 0.885 | 0.564 |
| | p_J | | | 0.826 | 0.779 | 0.288 |
| Mono | | | | | | |
| (1) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.049 | 0.056 | 0.044 | 0.054 | 0.064 |
| | Median | 0.045 | 0.054 | 0.048 | 0.054 | 0.062 |
| | Min | 0.038 | 0.046 | 0.026 | 0.046 | 0.053 |
| | Max | 0.068 | 0.070 | 0.055 | 0.062 | 0.079 |
| | p_W | | 0.248 | 0.772 | 0.384 | 0.149 |
| | p_J | | | 0.884 | 0.674 | 0.111 |
| week: 7 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.050 | 0.058 | 0.054 | 0.060 | 0.068 |
| | Median | 0.049 | 0.057 | 0.054 | 0.061 | 0.074 |
| | Min | 0.046 | 0.044 | 0.047 | 0.045 | 0.040 |
| | Max | 0.055 | 0.076 | 0.059 | 0.074 | 0.086 |
| | p_W | | 0.248 | 0.248 | 0.248 | 0.248 |
| | p_J | | | 0.272 | 0.102 | 0.043 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.050 | 0.059 | 0.057 | 0.061 | 0.054 |
| Median | 0.047 | 0.065 | 0.052 | 0.061 | 0.052 |
| Min | 0.040 | 0.034 | 0.044 | 0.052 | 0.047 |
| Max | 0.068 | 0.071 | 0.081 | 0.069 | 0.066 |
| p_W | | 0.564 | 0.245 | 0.149 | 0.468 |
| p_J | | | 0.464 | 0.283 | 0.642 |
| Luc (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Median | 0.004 | 0.005 | 0.005 | 0.006 | 0.005 |
| Min | 0.003 | 0.003 | 0.003 | 0.002 | 0.004 |
| Max | 0.007 | 0.007 | 0.008 | 0.007 | 0.006 |
| p_W | | 0.765 | 0.655 | 0.661 | 0.372 |
| p_J | | | 0.714 | 0.674 | 0.618 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.003 | 0.004 | 0.004 | 0.005 | 0.004 |
| Median | 0.003 | 0.004 | 0.004 | 0.005 | 0.004 |
| Min | 0.002 | 0.002 | 0.001 | 0.003 | 0.003 |
| Max | 0.004 | 0.006 | 0.006 | 0.006 | 0.005 |
| p_W | | 0.559 | 0.770 | 0.144 | 0.372 |
| p_J | | | 0.770 | 0.304 | 0.388 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.009 | 0.007 | 0.008 | 0.008 | 0.008 |
| Median | 0.009 | 0.008 | 0.009 | 0.008 | 0.008 |
| Min | 0.006 | 0.005 | 0.003 | 0.007 | 0.006 |
| Max | 0.011 | 0.008 | 0.011 | 0.009 | 0.008 |
| p_W | | 0.237 | 0.883 | 0.655 | 0.353 |
| p_J | | | 0.826 | 0.926 | 0.666 |
| Neut (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.093 | 5.803 | 5.223 | 5.135 | 5.005 |
| Median | 6.105 | 5.945 | 5.335 | 5.130 | 4.885 |
| Min | 4.780 | 4.360 | 4.610 | 4.040 | 3.780 |
| Max | 7.380 | 6.960 | 5.610 | 6.240 | 6.470 |
| p_W | | 0.773 | 0.248 | 0.248 | 0.248 |
| p_J | | | 0.380 | 0.207 | 0.090 |

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.183 | 5.783 | 6.928 | 6.983 | 5.725 |
| Median | 6.315 | 6.180 | 6.810 | 5.885 | 5.690 |
| Min | 5.200 | 4.200 | 6.350 | 5.290 | 4.710 |
| Max | 6.900 | 6.570 | 7.740 | 10.87 | 6.810 |
| p_W | | 0.564 | 0.149 | 1.000 | 0.386 |
| p_J | | | 0.188 | 0.641 | 0.690 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.605 | 5.908 | 6.468 | 5.588 | 4.963 |
| Median | 5.310 | 5.855 | 6.065 | 5.580 | 5.130 |
| Min | 3.670 | 4.300 | 5.450 | 4.570 | 4.190 |
| Max | 8.130 | 7.620 | 8.290 | 6.620 | 5.400 |
| p_W | | 0.773 | 0.386 | 0.773 | 0.773 |
| p_J | | | 0.464 | 0.779 | 0.370 |
| Eos (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.290 | 0.243 | 0.353 | 0.268 | 0.265 |
| Median | 0.295 | 0.215 | 0.345 | 0.250 | 0.275 |
| Min | 0.190 | 0.150 | 0.210 | 0.150 | 0.120 |
| Max | 0.380 | 0.390 | 0.510 | 0.420 | 0.390 |
| p_W | | 0.564 | 0.386 | 0.770 | 1.000 |
| p_J | | | 0.510 | 1.000 | 0.894 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.280 | 0.273 | 0.340 | 0.343 | 0.253 |
| Median | 0.295 | 0.270 | 0.345 | 0.195 | 0.245 |
| Min | 0.190 | 0.240 | 0.190 | 0.170 | 0.190 |
| Max | 0.340 | 0.310 | 0.480 | 0.810 | 0.330 |
| p_W | | 0.465 | 0.309 | 0.384 | 0.663 |
| p_J | | | 0.464 | 0.641 | 0.550 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.208 | 0.218 | 0.238 | 0.180 | 0.148 |
| Median | 0.210 | 0.215 | 0.265 | 0.175 | 0.140 |
| Min | 0.140 | 0.190 | 0.100 | 0.110 | 0.100 |
| Max | 0.270 | 0.250 | 0.320 | 0.260 | 0.210 |
| p_W | | 0.885 | 0.564 | 0.386 | 0.191 |
| p_J | | | 0.464 | 0.852 | 0.163 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------------|--------------|---------------|----------------|----------------|-----------------|
| Baso (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.053 | 0.058 | 0.065 | 0.050 | 0.048 |
| Median | 0.050 | 0.050 | 0.050 | 0.055 | 0.040 |
| Min | 0.040 | 0.040 | 0.030 | 0.030 | 0.040 |
| Max | 0.070 | 0.090 | 0.130 | 0.060 | 0.070 |
| p_W | | 0.877 | 0.883 | 1.000 | 0.350 |
| p_J | | | 0.884 | 0.852 | 0.550 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.036 | 0.048 | 0.058 | 0.038 | 0.035 |
| Median | 0.033 | 0.045 | 0.050 | 0.035 | 0.025 |
| Min | 0.030 | 0.030 | 0.040 | 0.020 | 0.020 |
| Max | 0.050 | 0.070 | 0.090 | 0.060 | 0.070 |
| p_W | | 0.297 | 0.080 | 1.000 | 0.372 |
| p_J | | | 0.092 | 0.709 | 0.528 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.038 | 0.038 | 0.043 | 0.035 | 0.028 |
| Median | 0.035 | 0.040 | 0.040 | 0.030 | 0.025 |
| Min | 0.030 | 0.030 | 0.030 | 0.020 | 0.020 |
| Max | 0.050 | 0.040 | 0.060 | 0.060 | 0.040 |
| p_W | | 0.874 | 0.544 | 0.659 | 0.178 |
| p_J | | | 0.558 | 0.889 | 0.232 |
| Lympho (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.585 | 4.033 | 4.470 | 3.925 | 3.883 |
| Median | 3.500 | 4.220 | 4.510 | 4.115 | 3.940 |
| Min | 3.240 | 2.930 | 3.850 | 3.030 | 3.300 |
| Max | 4.100 | 4.760 | 5.010 | 4.440 | 4.350 |
| p_W | | 0.386 | 0.043 * | 0.386 | 0.386 |
| p_J | | | 0.057 | 0.262 | 0.550 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.780 | 4.023 | 4.370 | 4.005 | 3.865 |
| Median | 3.835 | 3.945 | 4.240 | 4.190 | 3.840 |
| Min | 2.730 | 3.570 | 3.760 | 3.140 | 3.330 |
| Max | 4.720 | 4.630 | 5.240 | 4.500 | 4.450 |
| p_W | | 0.663 | 0.386 | 0.773 | 1.000 |
| p_J | | | 0.272 | 0.544 | 0.921 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.263 | 3.608 | 3.695 | 3.550 | 3.465 |
| Median | 3.260 | 3.650 | 3.410 | 3.775 | 3.410 |
| Min | 2.940 | 3.210 | 2.920 | 2.530 | 2.960 |
| Max | 3.590 | 3.920 | 5.040 | 4.120 | 4.080 |
| p_W | | 0.149 | 0.773 | 0.386 | 0.564 |
| p_J | | | 0.558 | 0.350 | 0.550 |
| Mono (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.523 | 0.610 | 0.480 | 0.543 | 0.638 |
| Median | 0.465 | 0.605 | 0.515 | 0.525 | 0.585 |
| Min | 0.350 | 0.390 | 0.270 | 0.410 | 0.470 |
| Max | 0.810 | 0.840 | 0.620 | 0.710 | 0.910 |
| p_W | | 0.386 | 0.885 | 0.773 | 0.248 |
| p_J | | | 0.942 | 0.963 | 0.528 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.544 | 0.623 | 0.665 | 0.735 | 0.720 |
| Median | 0.538 | 0.615 | 0.680 | 0.740 | 0.780 |
| Min | 0.490 | 0.500 | 0.530 | 0.430 | 0.430 |
| Max | 0.610 | 0.760 | 0.770 | 1.030 | 0.890 |
| p_W | | 0.110 | 0.083 | 0.248 | 0.248 |
| p_J | | | 0.034 | 0.028 | 0.034 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.478 | 0.605 | 0.628 | 0.600 | 0.500 |
| Median | 0.515 | 0.660 | 0.625 | 0.625 | 0.460 |
| Min | 0.340 | 0.360 | 0.480 | 0.450 | 0.420 |
| Max | 0.540 | 0.740 | 0.780 | 0.700 | 0.660 |
| p_W | | 0.149 | 0.149 | 0.149 | 0.773 |
| p_J | | | 0.143 | 0.262 | 0.947 |
| Luc (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.045 | 0.055 | 0.053 | 0.048 | 0.050 |
| Median | 0.035 | 0.060 | 0.045 | 0.055 | 0.055 |
| Min | 0.030 | 0.020 | 0.030 | 0.020 | 0.030 |
| Max | 0.080 | 0.080 | 0.090 | 0.060 | 0.060 |
| p_W | | 0.661 | 0.457 | 0.770 | 0.552 |
| p_J | | | 0.608 | 0.779 | 0.740 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.031 | 0.043 | 0.040 | 0.053 | 0.043 |
| Median | 0.033 | 0.045 | 0.040 | 0.055 | 0.040 |
| Min | 0.020 | 0.020 | 0.010 | 0.040 | 0.030 |
| Max | 0.040 | 0.060 | 0.070 | 0.060 | 0.060 |
| p_W | | 0.557 | 0.375 | 0.028 * | 0.375 |
| p_J | | | 0.464 | 0.102 | 0.259 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.080 | 0.073 | 0.090 | 0.083 | 0.068 |
| Median | 0.075 | 0.075 | 0.105 | 0.085 | 0.065 |
| Min | 0.060 | 0.050 | 0.040 | 0.050 | 0.060 |
| Max | 0.110 | 0.090 | 0.110 | 0.110 | 0.080 |
| p_W | | 0.661 | 0.552 | 1.000 | 0.538 |
| p_J | | | 0.510 | 0.641 | 0.666 |
| Plt (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 287.0 | 270.5 | 303.3 | 263.5 | 294.8 |
| Median | 273.0 | 280.5 | 307.5 | 273.0 | 312.0 |
| Min | 241.0 | 194.0 | 248.0 | 216.0 | 225.0 |
| Max | 361.0 | 327.0 | 350.0 | 292.0 | 330.0 |
| p_W | | 0.564 | 0.773 | 0.564 | 0.773 |
| p_J | | | 0.770 | 0.674 | 0.921 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 313.5 | 293.5 | 313.5 | 303.8 | 331.0 |
| Median | 331.0 | 292.5 | 324.5 | 322.0 | 342.5 |
| Min | 214.0 | 200.0 | 242.0 | 172.0 | 249.0 |
| Max | 378.0 | 389.0 | 363.0 | 399.0 | 390.0 |
| p_W | | 0.564 | 1.000 | 0.773 | 0.663 |
| p_J | | | 1.000 | 0.926 | 0.572 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 287.8 | 293.3 | 286.5 | 289.0 | 326.0 |
| Median | 267.5 | 303.0 | 289.5 | 284.0 | 338.0 |
| Min | 226.0 | 204.0 | 268.0 | 231.0 | 257.0 |
| Max | 390.0 | 363.0 | 299.0 | 357.0 | 371.0 |
| p_W | | 1.000 | 0.564 | 1.000 | 0.386 |
| p_J | | | 0.770 | 0.852 | 0.288 |

Hematology (statistics) : males

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| PT(CS) (sec) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 30.52 | 31.11 | 33.34 | 34.53 | 33.99 |
| Median | 30.56 | 30.79 | 33.12 | 34.62 | 34.39 |
| Min | 26.72 | 27.61 | 28.96 | 30.67 | 32.09 |
| Max | 34.23 | 35.27 | 38.17 | 38.21 | 35.10 |
| p_W | | 0.564 | 0.386 | 0.149 | 0.149 |
| p_J | | | 0.242 | 0.062 | 0.054 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 31.39 | 32.92 | 35.36 | 35.07 | 34.54 |
| Median | 32.11 | 31.73 | 37.04 | 33.93 | 34.64 |
| Min | 27.46 | 29.94 | 28.54 | 33.29 | 32.18 |
| Max | 33.90 | 38.29 | 38.83 | 39.11 | 36.69 |
| p_W | | 0.773 | 0.149 | 0.248 | 0.149 |
| p_J | | | 0.188 | 0.112 | 0.111 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 29.34 | 32.10 | 33.15 | 34.17 | 33.38 |
| Median | 29.51 | 31.16 | 33.45 | 33.76 | 33.47 |
| Min | 27.17 | 29.20 | 27.94 | 30.43 | 32.48 |
| Max | 31.20 | 36.89 | 37.76 | 38.75 | 34.12 |
| p_W | | 0.149 | 0.248 | 0.043 * | 0.021 * |
| p_J | | | 0.143 | 0.050 | 0.028 |

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Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

5.1.2.e Woo

* if p_W < 0.05

+- if p_J < 0.01

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| RBC | | | | | |
| (T/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.683 | 6.755 | 6.614 | 6.745 | 6.785 |
| Median | 6.625 | 6.690 | 6.678 | 6.800 | 6.810 |
| Min | 6.260 | 6.080 | 6.290 | 6.370 | 6.520 |
| Max | 7.220 | 7.560 | 6.810 | 7.010 | 7.000 |
| p_W | | 0.885 | 0.773 | 0.773 | 0.663 |
| p_J | | | 0.826 | 0.744 | 0.595 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 7.058 | 7.100 | 6.708 | 7.035 | 6.785 |
| Median | 7.105 | 7.070 | 6.710 | 7.080 | 6.790 |
| Min | 6.610 | 6.460 | 6.480 | 6.580 | 6.470 |
| Max | 7.410 | 7.800 | 6.930 | 7.400 | 7.090 |
| p_W | | 1.000 | 0.083 | 0.663 | 0.149 |
| p_J | | | 0.242 | 0.744 | 0.425 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.665 | 6.893 | 6.570 | 6.830 | 6.610 |
| Median | 6.650 | 6.760 | 6.560 | 6.825 | 6.560 |
| Min | 6.260 | 6.250 | 6.470 | 6.710 | 6.240 |
| Max | 7.100 | 7.800 | 6.690 | 6.960 | 7.080 |
| p_W | | 0.885 | 0.772 | 0.564 | 0.564 |
| p_J | | | 0.510 | 0.484 | 0.868 |
| Hb | | | | | |
| (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.400 | 9.538 | 9.400 | 9.550 | 9.375 |
| Median | 9.350 | 9.350 | 9.600 | 9.550 | 9.300 |
| Min | 8.400 | 8.800 | 8.600 | 9.000 | 9.000 |
| Max | 10.50 | 10.65 | 9.800 | 10.10 | 9.900 |
| p_W | | 0.773 | 1.000 | 0.663 | 0.884 |
| p_J | | | 0.942 | 0.709 | 0.842 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.825 | 9.975 | 9.475 | 9.825 | 9.325 |
| Median | 9.650 | 9.900 | 9.550 | 9.850 | 9.200 |
| Min | 9.300 | 9.200 | 8.800 | 9.500 | 9.100 |
| Max | 10.70 | 10.90 | 10.00 | 10.10 | 9.800 |
| p_W | | 0.773 | 0.663 | 0.663 | 0.108 |
| p_J | | | 0.608 | 0.889 | 0.245 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.425 | 9.775 | 9.400 | 9.700 | 9.325 |
| Median | 9.250 | 9.550 | 9.400 | 9.800 | 9.100 |
| Min | 8.700 | 9.000 | 9.000 | 9.300 | 8.900 |
| Max | 10.50 | 11.00 | 9.800 | 9.900 | 10.20 |
| p_W | | 0.468 | 0.770 | 0.384 | 0.885 |
| p_J | | | 0.770 | 0.304 | 0.974 |
| Hct (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.448 | 0.459 | 0.448 | 0.453 | 0.452 |
| Median | 0.445 | 0.450 | 0.458 | 0.457 | 0.448 |
| Min | 0.407 | 0.420 | 0.408 | 0.425 | 0.438 |
| Max | 0.495 | 0.516 | 0.467 | 0.474 | 0.474 |
| p_W | | 0.773 | 1.000 | 0.773 | 0.773 |
| p_J | | | 0.884 | 0.852 | 0.842 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.472 | 0.477 | 0.449 | 0.472 | 0.448 |
| Median | 0.464 | 0.476 | 0.454 | 0.474 | 0.446 |
| Min | 0.452 | 0.438 | 0.420 | 0.457 | 0.434 |
| Max | 0.510 | 0.517 | 0.470 | 0.484 | 0.468 |
| p_W | | 0.773 | 0.248 | 0.468 | 0.083 |
| p_J | | | 0.306 | 0.963 | 0.245 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.443 | 0.455 | 0.435 | 0.453 | 0.436 |
| Median | 0.439 | 0.446 | 0.438 | 0.455 | 0.426 |
| Min | 0.408 | 0.416 | 0.413 | 0.437 | 0.419 |
| Max | 0.486 | 0.513 | 0.450 | 0.463 | 0.474 |
| p_W | | 0.564 | 1.000 | 0.386 | 0.564 |
| p_J | | | 0.884 | 0.455 | 0.947 |
| MCV (f1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 66.98 | 67.95 | 67.64 | 67.24 | 66.50 |
| Median | 67.15 | 67.75 | 68.15 | 68.05 | 67.60 |
| Min | 65.10 | 67.20 | 64.80 | 62.95 | 63.10 |
| Max | 68.50 | 69.10 | 69.45 | 69.90 | 67.70 |
| p_W | | 0.386 | 0.564 | 0.773 | 0.772 |
| p_J | | | 0.421 | 0.544 | 0.868 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 66.93 | 67.20 | 66.93 | 67.23 | 66.13 |
| Median | 67.05 | 67.35 | 67.20 | 67.75 | 66.40 |
| Min | 64.70 | 66.30 | 64.40 | 63.90 | 63.50 |
| Max | 68.90 | 67.80 | 68.90 | 69.50 | 68.20 |
| p_W | | 1.000 | 0.885 | 0.561 | 0.564 |
| p_J | | | 0.942 | 0.815 | 0.642 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 66.48 | 66.10 | 66.18 | 66.25 | 66.05 |
| Median | 67.00 | 66.10 | 66.35 | 66.35 | 66.65 |
| Min | 63.10 | 65.60 | 63.80 | 63.60 | 63.70 |
| Max | 68.80 | 66.60 | 68.20 | 68.70 | 67.20 |
| p_W | | 1.000 | 0.564 | 0.773 | 0.773 |
| p_J | | | 0.770 | 0.852 | 0.816 |
| RDW (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.140 | 0.147 | 0.142 | 0.143 | 0.147 |
| Median | 0.138 | 0.145 | 0.142 | 0.143 | 0.144 |
| Min | 0.135 | 0.140 | 0.140 | 0.137 | 0.139 |
| Max | 0.150 | 0.157 | 0.145 | 0.148 | 0.161 |
| p_W | | 0.149 | 0.245 | 0.386 | 0.191 |
| p_J | | | 0.421 | 0.513 | 0.370 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.135 | 0.136 | 0.133 | 0.136 | 0.138 |
| Median | 0.135 | 0.135 | 0.135 | 0.135 | 0.136 |
| Min | 0.131 | 0.133 | 0.122 | 0.130 | 0.130 |
| Max | 0.140 | 0.141 | 0.140 | 0.142 | 0.149 |
| p_W | | 0.770 | 0.884 | 1.000 | 1.000 |
| p_J | | | 0.826 | 0.963 | 0.842 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.130 | 0.135 | 0.133 | 0.134 | 0.136 |
| Median | 0.129 | 0.135 | 0.132 | 0.133 | 0.137 |
| Min | 0.127 | 0.133 | 0.130 | 0.130 | 0.127 |
| Max | 0.136 | 0.137 | 0.137 | 0.138 | 0.142 |
| p_W | | 0.146 | 0.237 | 0.191 | 0.309 |
| p_J | | | 0.421 | 0.427 | 0.232 |

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 | |
|-------------|--------------|---------------|----------------|----------------|-----------------|-------|
| MCH | | | | | | |
| (fmol) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | |
| | Mean | 1.405 | 1.411 | 1.423 | 1.418 | 1.383 |
| | Median | 1.410 | 1.398 | 1.430 | 1.425 | 1.400 |
| | Min | 1.350 | 1.390 | 1.370 | 1.330 | 1.310 |
| | Max | 1.450 | 1.460 | 1.460 | 1.490 | 1.420 |
| | p_W | | 1.000 | 0.468 | 0.773 | 0.468 |
| | p_J | | | 0.558 | 0.544 | 0.790 |
| week: 7 | N | 4 | 4 | 4 | 4 | |
| | Mean | 1.393 | 1.403 | 1.410 | 1.400 | 1.373 |
| | Median | 1.395 | 1.410 | 1.420 | 1.410 | 1.390 |
| | Min | 1.330 | 1.370 | 1.350 | 1.330 | 1.310 |
| | Max | 1.450 | 1.420 | 1.450 | 1.450 | 1.400 |
| | p_W | | 0.882 | 0.663 | 0.770 | 0.561 |
| | p_J | | | 0.608 | 0.674 | 0.595 |
| week: 13 | N | 4 | 4 | 4 | 4 | |
| | Mean | 1.413 | 1.420 | 1.433 | 1.420 | 1.408 |
| | Median | 1.415 | 1.420 | 1.440 | 1.420 | 1.405 |
| | Min | 1.340 | 1.390 | 1.390 | 1.360 | 1.380 |
| | Max | 1.480 | 1.450 | 1.460 | 1.480 | 1.440 |
| | p_W | | 0.885 | 0.772 | 0.885 | 0.773 |
| | p_J | | | 0.558 | 0.779 | 0.690 |
| MCHC | | | | | | |
| (mmol/l) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | |
| | Mean | 20.97 | 20.83 | 21.01 | 21.07 | 20.76 |
| | Median | 20.99 | 20.72 | 21.01 | 21.17 | 20.76 |
| | Min | 20.68 | 20.66 | 20.89 | 20.71 | 20.55 |
| | Max | 21.20 | 21.21 | 21.11 | 21.24 | 20.97 |
| | p_W | | 0.564 | 1.000 | 0.386 | 0.191 |
| | p_J | | | 0.770 | 0.243 | 0.690 |
| week: 7 | N | 4 | 4 | 4 | 4 | |
| | Mean | 20.79 | 20.89 | 21.08 | 20.82 | 20.72 |
| | Median | 20.84 | 21.02 | 21.03 | 20.82 | 20.73 |
| | Min | 20.50 | 20.44 | 20.95 | 20.76 | 20.52 |
| | Max | 20.98 | 21.08 | 21.33 | 20.86 | 20.90 |
| | p_W | | 0.248 | 0.043 * | 0.773 | 0.564 |
| | p_J | | | 0.079 | 0.926 | 0.319 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 21.26 | 21.47 | 21.65 | 21.46 | 21.33 |
| Median | 21.27 | 21.50 | 21.74 | 21.47 | 21.34 |
| Min | 20.84 | 21.18 | 21.35 | 21.28 | 20.98 |
| Max | 21.66 | 21.70 | 21.76 | 21.63 | 21.66 |
| p_W | | 0.386 | 0.043 * | 0.386 | 0.885 |
| p_J | | | 0.028 | 0.262 | 0.921 |
| HDW (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.103 | 1.104 | 1.064 | 1.069 | 1.098 |
| Median | 1.105 | 1.103 | 1.053 | 1.073 | 1.065 |
| Min | 1.020 | 1.020 | 1.010 | 1.010 | 1.000 |
| Max | 1.180 | 1.190 | 1.140 | 1.120 | 1.260 |
| p_W | | 0.885 | 0.564 | 0.564 | 0.564 |
| p_J | | | 0.510 | 0.401 | 0.406 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.165 | 1.185 | 1.128 | 1.143 | 1.118 |
| Median | 1.170 | 1.190 | 1.125 | 1.145 | 1.080 |
| Min | 1.100 | 1.140 | 1.040 | 1.080 | 1.060 |
| Max | 1.220 | 1.220 | 1.220 | 1.200 | 1.250 |
| p_W | | 0.663 | 0.661 | 0.559 | 0.248 |
| p_J | | | 0.770 | 0.455 | 0.259 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.090 | 1.110 | 1.090 | 1.090 | 1.100 |
| Median | 1.080 | 1.115 | 1.090 | 1.095 | 1.100 |
| Min | 1.060 | 1.060 | 1.060 | 1.050 | 0.950 |
| Max | 1.140 | 1.150 | 1.120 | 1.120 | 1.250 |
| p_W | | 0.465 | 0.659 | 1.000 | 1.000 |
| p_J | | | 0.942 | 0.779 | 0.842 |
| Reti (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.021 | 0.023 | 0.023 | 0.019 | 0.022 |
| Median | 0.022 | 0.025 | 0.025 | 0.019 | 0.023 |
| Min | 0.015 | 0.013 | 0.015 | 0.015 | 0.017 |
| Max | 0.026 | 0.028 | 0.027 | 0.024 | 0.025 |
| p_W | | 0.561 | 0.559 | 0.381 | 0.885 |
| p_J | | | 0.558 | 0.544 | 0.618 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.021 | 0.020 | 0.017 | 0.016 | 0.020 |
| Median | 0.020 | 0.019 | 0.014 | 0.017 | 0.018 |
| Min | 0.018 | 0.013 | 0.013 | 0.011 | 0.016 |
| Max | 0.024 | 0.028 | 0.028 | 0.018 | 0.027 |
| p_W | | 0.772 | 0.243 | 0.028 * | 0.552 |
| p_J | | | 0.272 | 0.123 | 0.445 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.017 | 0.016 | 0.016 | 0.015 | 0.015 |
| Median | 0.017 | 0.014 | 0.016 | 0.017 | 0.016 |
| Min | 0.013 | 0.011 | 0.010 | 0.009 | 0.011 |
| Max | 0.019 | 0.024 | 0.020 | 0.018 | 0.018 |
| p_W | | 0.559 | 0.884 | 0.462 | 0.384 |
| p_J | | | 0.826 | 0.744 | 0.618 |
| WBC (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.613 | 13.06 | 9.445 | 9.834 | 10.51 |
| Median | 9.630 | 11.72 | 9.010 | 10.05 | 10.40 |
| Min | 8.780 | 8.490 | 8.600 | 8.030 | 9.250 |
| Max | 10.41 | 20.33 | 11.16 | 11.21 | 11.98 |
| p_W | | 0.248 | 0.564 | 0.773 | 0.564 |
| p_J | | | 0.770 | 0.709 | 0.790 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 12.26 | 11.24 | 9.238 | 9.283 | 11.07 |
| Median | 11.45 | 12.14 | 8.960 | 8.915 | 11.14 |
| Min | 9.110 | 7.410 | 7.700 | 7.050 | 10.14 |
| Max | 17.05 | 13.28 | 11.33 | 12.25 | 11.86 |
| p_W | | 0.773 | 0.059 | 0.191 | 0.564 |
| p_J | | | 0.164 | 0.093 | 0.319 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.86 | 10.56 | 9.308 | 9.230 | 10.70 |
| Median | 10.08 | 11.15 | 8.055 | 7.550 | 11.16 |
| Min | 9.000 | 7.310 | 7.810 | 7.240 | 8.750 |
| Max | 14.28 | 12.63 | 13.31 | 14.58 | 11.73 |
| p_W | | 0.773 | 0.149 | 0.248 | 0.773 |
| p_J | | | 0.464 | 0.161 | 0.690 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| Neut (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.524 | 0.616 | 0.544 | 0.524 | 0.569 |
| Median | 0.527 | 0.580 | 0.535 | 0.543 | 0.560 |
| Min | 0.471 | 0.550 | 0.521 | 0.421 | 0.524 |
| Max | 0.571 | 0.756 | 0.583 | 0.589 | 0.632 |
| p_W | | 0.083 | 0.468 | 1.000 | 0.248 |
| p_J | | | 0.714 | 0.815 | 0.690 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.565 | 0.611 | 0.569 | 0.521 | 0.607 |
| Median | 0.526 | 0.626 | 0.570 | 0.509 | 0.614 |
| Min | 0.504 | 0.548 | 0.538 | 0.483 | 0.536 |
| Max | 0.702 | 0.643 | 0.598 | 0.585 | 0.665 |
| p_W | | 0.248 | 0.248 | 0.386 | 0.386 |
| p_J | | | 0.661 | 0.262 | 0.947 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.599 | 0.625 | 0.589 | 0.580 | 0.612 |
| Median | 0.587 | 0.634 | 0.591 | 0.599 | 0.620 |
| Min | 0.552 | 0.566 | 0.517 | 0.491 | 0.563 |
| Max | 0.669 | 0.666 | 0.655 | 0.633 | 0.645 |
| p_W | | 0.386 | 0.773 | 0.885 | 0.663 |
| p_J | | | 0.884 | 0.544 | 0.790 |
| Eos (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.030 | 0.019 | 0.025 | 0.033 | 0.031 |
| Median | 0.030 | 0.020 | 0.021 | 0.036 | 0.027 |
| Min | 0.025 | 0.007 | 0.013 | 0.018 | 0.018 |
| Max | 0.037 | 0.030 | 0.044 | 0.043 | 0.051 |
| p_W | | 0.245 | 0.561 | 0.561 | 0.770 |
| p_J | | | 0.608 | 0.513 | 0.388 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.027 | 0.021 | 0.024 | 0.052 | 0.027 |
| Median | 0.027 | 0.018 | 0.027 | 0.049 | 0.026 |
| Min | 0.017 | 0.013 | 0.010 | 0.022 | 0.011 |
| Max | 0.037 | 0.035 | 0.033 | 0.086 | 0.045 |
| p_W | | 0.248 | 0.663 | 0.149 | 1.000 |
| p_J | | | 0.510 | 0.243 | 0.528 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.022 | 0.018 | 0.020 | 0.030 | 0.029 |
| Median | 0.022 | 0.018 | 0.016 | 0.029 | 0.024 |
| Min | 0.011 | 0.010 | 0.010 | 0.012 | 0.017 |
| Max | 0.032 | 0.024 | 0.040 | 0.050 | 0.051 |
| p_W | | 0.468 | 0.564 | 0.386 | 0.773 |
| p_J | | | 0.464 | 0.709 | 0.406 |
| Baso (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.006 | 0.005 | 0.005 | 0.005 | 0.006 |
| Median | 0.005 | 0.004 | 0.005 | 0.005 | 0.007 |
| Min | 0.005 | 0.002 | 0.004 | 0.004 | 0.003 |
| Max | 0.008 | 0.008 | 0.006 | 0.006 | 0.008 |
| p_W | | 0.353 | 0.508 | 0.278 | 0.655 |
| p_J | | | 0.661 | 0.575 | 0.690 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.005 | 0.006 | 0.004 | 0.005 | 0.004 |
| Median | 0.005 | 0.005 | 0.004 | 0.005 | 0.004 |
| Min | 0.004 | 0.003 | 0.003 | 0.004 | 0.002 |
| Max | 0.007 | 0.012 | 0.004 | 0.006 | 0.006 |
| p_W | | 0.655 | 0.036 * | 0.877 | 0.234 |
| p_J | | | 0.067 | 0.674 | 0.425 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.005 | 0.005 | 0.004 | 0.004 | 0.004 |
| Median | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Min | 0.003 | 0.003 | 0.003 | 0.003 | 0.003 |
| Max | 0.007 | 0.009 | 0.005 | 0.004 | 0.005 |
| p_W | | 0.762 | 0.544 | 0.617 | 0.877 |
| p_J | | | 0.608 | 0.709 | 0.974 |
| Lympho (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.395 | 0.302 | 0.377 | 0.391 | 0.345 |
| Median | 0.384 | 0.340 | 0.378 | 0.358 | 0.358 |
| Min | 0.352 | 0.149 | 0.364 | 0.325 | 0.272 |
| Max | 0.459 | 0.381 | 0.390 | 0.524 | 0.391 |
| p_W | | 0.149 | 1.000 | 0.564 | 0.386 |
| p_J | | | 0.884 | 0.926 | 0.595 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.353 | 0.323 | 0.356 | 0.366 | 0.316 |
| Median | 0.395 | 0.317 | 0.343 | 0.362 | 0.298 |
| Min | 0.207 | 0.291 | 0.335 | 0.294 | 0.259 |
| Max | 0.414 | 0.366 | 0.402 | 0.448 | 0.407 |
| p_W | | 0.248 | 0.384 | 1.000 | 0.386 |
| p_J | | | 0.770 | 0.926 | 0.445 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.325 | 0.305 | 0.336 | 0.335 | 0.307 |
| Median | 0.338 | 0.293 | 0.338 | 0.323 | 0.293 |
| Min | 0.246 | 0.266 | 0.285 | 0.284 | 0.266 |
| Max | 0.379 | 0.369 | 0.384 | 0.411 | 0.375 |
| p_W | | 0.564 | 0.773 | 1.000 | 0.564 |
| p_J | | | 0.661 | 0.513 | 0.947 |
| Mono (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.042 | 0.054 | 0.046 | 0.043 | 0.045 |
| Median | 0.041 | 0.050 | 0.046 | 0.043 | 0.042 |
| Min | 0.037 | 0.033 | 0.033 | 0.028 | 0.034 |
| Max | 0.051 | 0.084 | 0.057 | 0.056 | 0.061 |
| p_W | | 0.561 | 0.773 | 0.885 | 0.773 |
| p_J | | | 0.826 | 0.709 | 0.642 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.046 | 0.036 | 0.046 | 0.054 | 0.044 |
| Median | 0.044 | 0.037 | 0.045 | 0.058 | 0.043 |
| Min | 0.038 | 0.031 | 0.030 | 0.040 | 0.029 |
| Max | 0.060 | 0.039 | 0.062 | 0.059 | 0.061 |
| p_W | | 0.059 | 0.773 | 0.561 | 0.773 |
| p_J | | | 0.826 | 0.327 | 0.690 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.043 | 0.040 | 0.044 | 0.046 | 0.043 |
| Median | 0.040 | 0.040 | 0.043 | 0.048 | 0.044 |
| Min | 0.037 | 0.036 | 0.039 | 0.035 | 0.031 |
| Max | 0.055 | 0.045 | 0.052 | 0.053 | 0.055 |
| p_W | | 0.772 | 0.561 | 0.772 | 0.661 |
| p_J | | | 0.510 | 0.375 | 0.618 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------|--------------|---------------|----------------|----------------|-----------------|
| Luc (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.004 | 0.004 | 0.004 | 0.005 | 0.005 |
| Median | 0.004 | 0.005 | 0.004 | 0.005 | 0.005 |
| Min | 0.003 | 0.002 | 0.004 | 0.003 | 0.003 |
| Max | 0.005 | 0.006 | 0.005 | 0.006 | 0.006 |
| p_W | | 0.557 | 0.765 | 0.544 | 0.343 |
| p_J | | | 0.714 | 0.575 | 0.388 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 |
| Median | 0.004 | 0.004 | 0.003 | 0.003 | 0.003 |
| Min | 0.003 | 0.002 | 0.002 | 0.002 | 0.002 |
| Max | 0.006 | 0.007 | 0.004 | 0.003 | 0.004 |
| p_W | | 0.882 | 0.137 | 0.098 | 0.137 |
| p_J | | | 0.188 | 0.123 | 0.090 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.007 | 0.007 | 0.007 | 0.005 | 0.006 |
| Median | 0.008 | 0.008 | 0.007 | 0.006 | 0.006 |
| Min | 0.006 | 0.005 | 0.005 | 0.004 | 0.004 |
| Max | 0.008 | 0.008 | 0.010 | 0.006 | 0.008 |
| p_W | | 0.877 | 0.766 | 0.037* | 0.225 |
| p_J | | | 0.826 | 0.112 | 0.127 |
| Neut (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.043 | 8.399 | 5.154 | 5.103 | 5.945 |
| Median | 5.275 | 6.780 | 4.715 | 5.055 | 5.945 |
| Min | 4.130 | 4.680 | 4.680 | 4.490 | 5.110 |
| Max | 5.490 | 15.36 | 6.505 | 5.810 | 6.780 |
| p_W | | 0.149 | 0.773 | 0.564 | 0.149 |
| p_J | | | 0.942 | 0.544 | 0.666 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 7.143 | 6.948 | 5.280 | 4.773 | 6.708 |
| Median | 5.960 | 7.600 | 5.105 | 4.530 | 6.725 |
| Min | 4.690 | 4.060 | 4.140 | 4.120 | 5.920 |
| Max | 11.96 | 8.530 | 6.770 | 5.910 | 7.460 |
| p_W | | 0.773 | 0.386 | 0.083 | 0.386 |
| p_J | | | 0.380 | 0.076 | 0.690 |

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.588 | 6.653 | 5.563 | 5.400 | 6.520 |
| Median | 5.860 | 7.335 | 4.650 | 4.455 | 6.765 |
| Min | 5.070 | 4.140 | 4.230 | 3.780 | 5.520 |
| Max | 9.560 | 7.800 | 8.720 | 8.910 | 7.030 |
| p_W | | 0.773 | 0.149 | 0.149 | 0.564 |
| p_J | | | 0.464 | 0.225 | 0.642 |
| Eos (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.293 | 0.226 | 0.228 | 0.315 | 0.318 |
| Median | 0.280 | 0.233 | 0.200 | 0.340 | 0.315 |
| Min | 0.220 | 0.080 | 0.110 | 0.190 | 0.170 |
| Max | 0.390 | 0.360 | 0.400 | 0.390 | 0.470 |
| p_W | | 0.564 | 0.564 | 0.663 | 1.000 |
| p_J | | | 0.661 | 0.674 | 0.370 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.335 | 0.215 | 0.213 | 0.450 | 0.295 |
| Median | 0.380 | 0.220 | 0.220 | 0.390 | 0.295 |
| Min | 0.160 | 0.160 | 0.120 | 0.270 | 0.130 |
| Max | 0.420 | 0.260 | 0.290 | 0.750 | 0.460 |
| p_W | | 0.189 | 0.149 | 0.772 | 0.773 |
| p_J | | | 0.188 | 0.513 | 0.642 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.245 | 0.193 | 0.178 | 0.243 | 0.313 |
| Median | 0.210 | 0.200 | 0.140 | 0.225 | 0.270 |
| Min | 0.100 | 0.070 | 0.100 | 0.150 | 0.160 |
| Max | 0.460 | 0.300 | 0.330 | 0.370 | 0.550 |
| p_W | | 0.663 | 0.465 | 1.000 | 0.564 |
| p_J | | | 0.464 | 0.852 | 0.303 |
| Baso (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.058 | 0.053 | 0.045 | 0.048 | 0.065 |
| Median | 0.050 | 0.055 | 0.040 | 0.045 | 0.065 |
| Min | 0.050 | 0.040 | 0.040 | 0.040 | 0.040 |
| Max | 0.080 | 0.060 | 0.060 | 0.060 | 0.090 |
| p_W | | 0.877 | 0.129 | 0.278 | 0.554 |
| p_J | | | 0.188 | 0.207 | 0.921 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.063 | 0.058 | 0.030 | 0.045 | 0.043 |
| Median | 0.060 | 0.050 | 0.030 | 0.045 | 0.040 |
| Min | 0.050 | 0.040 | 0.020 | 0.030 | 0.020 |
| Max | 0.080 | 0.090 | 0.040 | 0.060 | 0.070 |
| p_W | | 0.538 | 0.019 * | 0.139 | 0.106 |
| p_J | | | 0.010 | 0.069 | 0.078 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.045 | 0.053 | 0.038 | 0.035 | 0.043 |
| Median | 0.045 | 0.050 | 0.040 | 0.030 | 0.045 |
| Min | 0.020 | 0.040 | 0.030 | 0.020 | 0.030 |
| Max | 0.070 | 0.070 | 0.040 | 0.060 | 0.050 |
| p_W | | 0.655 | 0.442 | 0.465 | 0.882 |
| p_J | | | 0.380 | 0.112 | 0.335 |
| Lympho (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.778 | 3.558 | 3.559 | 3.908 | 3.663 |
| Median | 3.845 | 3.340 | 3.455 | 3.700 | 3.805 |
| Min | 3.390 | 3.030 | 3.250 | 2.640 | 2.520 |
| Max | 4.030 | 4.520 | 4.075 | 5.590 | 4.520 |
| p_W | | 0.386 | 0.386 | 1.000 | 1.000 |
| p_J | | | 0.558 | 0.709 | 0.816 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.085 | 3.565 | 3.263 | 3.503 | 3.498 |
| Median | 4.030 | 3.830 | 3.105 | 3.225 | 3.330 |
| Min | 3.520 | 2.720 | 2.960 | 2.070 | 2.830 |
| Max | 4.760 | 3.880 | 3.880 | 5.490 | 4.500 |
| p_W | | 0.564 | 0.083 | 0.386 | 0.248 |
| p_J | | | 0.164 | 0.148 | 0.173 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.435 | 3.160 | 3.063 | 3.095 | 3.300 |
| Median | 3.460 | 3.045 | 3.035 | 2.745 | 3.145 |
| Min | 3.200 | 2.700 | 2.380 | 2.060 | 2.510 |
| Max | 3.620 | 3.850 | 3.800 | 4.830 | 4.400 |
| p_W | | 0.386 | 0.248 | 0.248 | 0.564 |
| p_J | | | 0.242 | 0.161 | 0.388 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 | |
|-------------|--------------|---------------|----------------|----------------|-----------------|-------|
| Mono | | | | | | |
| (G/l) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.413 | 0.770 | 0.424 | 0.418 | 0.470 |
| | Median | 0.395 | 0.495 | 0.413 | 0.375 | 0.490 |
| | Min | 0.330 | 0.390 | 0.360 | 0.300 | 0.320 |
| | Max | 0.530 | 1.700 | 0.510 | 0.620 | 0.580 |
| | p_W | | 0.191 | 1.000 | 0.773 | 0.564 |
| | p_J | | | 0.942 | 0.544 | 0.894 |
| week: 7 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.593 | 0.408 | 0.425 | 0.485 | 0.490 |
| | Median | 0.475 | 0.450 | 0.455 | 0.495 | 0.495 |
| | Min | 0.390 | 0.230 | 0.230 | 0.420 | 0.290 |
| | Max | 1.030 | 0.500 | 0.560 | 0.530 | 0.680 |
| | p_W | | 0.468 | 0.564 | 1.000 | 0.564 |
| | p_J | | | 0.608 | 0.889 | 0.816 |
| week: 13 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.465 | 0.430 | 0.408 | 0.405 | 0.458 |
| | Median | 0.465 | 0.455 | 0.390 | 0.390 | 0.440 |
| | Min | 0.330 | 0.280 | 0.300 | 0.320 | 0.330 |
| | Max | 0.600 | 0.530 | 0.550 | 0.520 | 0.620 |
| | p_W | | 0.564 | 0.468 | 0.561 | 0.885 |
| | p_J | | | 0.510 | 0.455 | 0.921 |
| Luc | | | | | | |
| (G/l) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.040 | 0.055 | 0.041 | 0.046 | 0.050 |
| | Median | 0.035 | 0.060 | 0.040 | 0.048 | 0.050 |
| | Min | 0.030 | 0.030 | 0.035 | 0.030 | 0.040 |
| | Max | 0.060 | 0.070 | 0.050 | 0.060 | 0.060 |
| | p_W | | 0.234 | 0.552 | 0.457 | 0.237 |
| | p_J | | | 0.714 | 0.674 | 0.388 |
| week: 7 | N | 4 | 4 | 4 | 4 | |
| | Mean | 0.048 | 0.043 | 0.025 | 0.030 | 0.033 |
| | Median | 0.050 | 0.045 | 0.020 | 0.030 | 0.030 |
| | Min | 0.030 | 0.020 | 0.020 | 0.020 | 0.020 |
| | Max | 0.060 | 0.060 | 0.040 | 0.040 | 0.050 |
| | p_W | | 0.655 | 0.037 * | 0.074 | 0.137 |
| | p_J | | | 0.048 | 0.056 | 0.090 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (statistics) : females

| dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.078 | 0.078 | 0.065 | 0.053 | 0.063 |
| Median | 0.080 | 0.075 | 0.070 | 0.045 | 0.060 |
| Min | 0.050 | 0.050 | 0.040 | 0.030 | 0.040 |
| Max | 0.100 | 0.110 | 0.080 | 0.090 | 0.090 |
| p_W | | 0.884 | 0.234 | 0.189 | 0.306 |
| p_J | | | 0.421 | 0.102 | 0.144 |
| Plt (G/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 285.8 | 296.3 | 223.6 | 257.0 | 278.3 |
| Median | 270.0 | 285.5 | 221.8 | 243.0 | 283.5 |
| Min | 240.0 | 244.0 | 213.0 | 222.0 | 248.0 |
| Max | 363.0 | 370.0 | 238.0 | 320.0 | 298.0 |
| p_W | | 0.564 | 0.021 * | 0.248 | 0.564 |
| p_J | | | 0.040 | 0.112 | 0.740 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 305.5 | 328.0 | 244.0 | 305.3 | 321.0 |
| Median | 306.5 | 297.0 | 235.5 | 293.5 | 332.5 |
| Min | 288.0 | 248.0 | 222.0 | 264.0 | 264.0 |
| Max | 321.0 | 470.0 | 283.0 | 370.0 | 355.0 |
| p_W | | 0.773 | 0.021 * | 0.564 | 0.564 |
| p_J | | | 0.023 | 0.283 | 1.000 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 299.5 | 295.8 | 245.0 | 303.5 | 318.3 |
| Median | 292.5 | 283.5 | 246.5 | 298.0 | 320.5 |
| Min | 261.0 | 241.0 | 209.0 | 197.0 | 279.0 |
| Max | 352.0 | 375.0 | 278.0 | 421.0 | 353.0 |
| p_W | | 0.564 | 0.043 * | 1.000 | 0.386 |
| p_J | | | 0.028 | 0.262 | 0.842 |
| PT(CS) (sec) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 32.83 | 32.69 | 32.59 | 31.45 | 31.75 |
| Median | 32.90 | 32.25 | 32.59 | 31.91 | 32.52 |
| Min | 31.68 | 27.41 | 27.09 | 29.61 | 28.70 |
| Max | 33.84 | 38.84 | 38.10 | 32.37 | 33.27 |
| p_W | | 1.000 | 1.000 | 0.083 | 0.564 |
| p_J | | | 0.884 | 0.401 | 0.507 |

Test No.: 943128

Test Article: CGA 329351 tech.

5.4. Blood chemistry (statistics)Statistical tests and flags used:WILCOXON: * if p_W < 0.05JONCKHEERE: +- if p_J < 0.01**Blood chemistry (statistics) : males**

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------|--------------|---------------|----------------|----------------|-----------------|
| Gluc (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.673 | 5.955 | 6.075 | 5.713 | 5.865 |
| Median | 5.720 | 5.890 | 6.125 | 5.680 | 5.815 |
| Min | 5.230 | 5.430 | 5.880 | 5.530 | 5.610 |
| Max | 6.020 | 6.610 | 6.170 | 5.960 | 6.220 |
| p _W | | 0.386 | 0.043 * | 1.000 | 0.564 |
| p _J | | | 0.057 | 0.779 | 0.790 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.700 | 5.710 | 6.293 | 5.528 | 5.933 |
| Median | 5.610 | 5.725 | 6.280 | 5.525 | 5.845 |
| Min | 5.540 | 5.350 | 6.180 | 5.370 | 5.580 |
| Max | 6.040 | 6.040 | 6.430 | 5.690 | 6.460 |
| p _W | | 0.885 | 0.021 * | 0.386 | 0.248 |
| p _J | | | 0.016 | 0.744 | 0.528 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.820 | 5.655 | 5.888 | 5.570 | 5.525 |
| Median | 5.895 | 5.575 | 5.935 | 5.570 | 5.555 |
| Min | 5.130 | 5.350 | 5.520 | 5.310 | 5.290 |
| Max | 6.360 | 6.120 | 6.160 | 5.830 | 5.700 |
| p _W | | 0.564 | 1.000 | 0.248 | 0.248 |
| p _J | | | 0.770 | 0.455 | 0.144 |
| Urea (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.270 | 3.093 | 3.328 | 3.388 | 4.060 |
| Median | 3.405 | 3.055 | 3.495 | 3.220 | 4.060 |
| Min | 1.980 | 3.010 | 2.550 | 2.640 | 2.830 |
| Max | 4.290 | 3.250 | 3.770 | 4.470 | 5.290 |
| p _W | | 0.248 | 0.773 | 0.773 | 0.386 |
| p _J | | | 0.884 | 0.852 | 0.259 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.483 | 3.213 | 3.323 | 3.648 | 3.480 |
| Median | 3.465 | 3.235 | 3.225 | 3.530 | 3.510 |
| Min | 2.770 | 2.580 | 2.680 | 3.370 | 2.460 |
| Max | 4.230 | 3.800 | 4.160 | 4.160 | 4.440 |
| p_W | | 0.564 | 0.564 | 0.772 | 1.000 |
| p_J | | | 0.661 | 0.674 | 0.715 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.945 | 3.625 | 3.710 | 4.120 | 3.968 |
| Median | 3.875 | 3.590 | 3.510 | 4.105 | 4.060 |
| Min | 2.770 | 3.340 | 2.830 | 3.890 | 2.980 |
| Max | 5.260 | 3.980 | 4.990 | 4.380 | 4.770 |
| p_W | | 0.468 | 0.663 | 0.564 | 0.773 |
| p_J | | | 0.464 | 0.513 | 0.425 |
| Creat-e (umol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 66.05 | 69.60 | 73.83 | 67.53 | 75.33 |
| Median | 65.60 | 69.75 | 73.05 | 67.15 | 74.40 |
| Min | 64.30 | 65.60 | 67.70 | 60.60 | 69.60 |
| Max | 68.70 | 73.30 | 81.50 | 75.20 | 82.90 |
| p_W | | 0.083 | 0.083 | 0.564 | 0.021 * |
| p_J | | | 0.040 | 0.455 | 0.054 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 64.18 | 71.88 | 76.03 | 67.93 | 73.50 |
| Median | 65.30 | 72.20 | 75.70 | 67.25 | 74.30 |
| Min | 58.50 | 68.80 | 65.70 | 63.80 | 65.00 |
| Max | 67.60 | 74.30 | 87.00 | 73.40 | 80.40 |
| p_W | | 0.020 * | 0.083 | 0.309 | 0.083 |
| p_J | | | 0.008 + | 0.327 | 0.184 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 73.90 | 77.90 | 74.90 | 72.60 | 77.25 |
| Median | 74.30 | 78.25 | 74.30 | 72.25 | 74.60 |
| Min | 65.70 | 73.50 | 65.90 | 69.70 | 72.90 |
| Max | 81.30 | 81.60 | 85.10 | 76.20 | 86.90 |
| p_W | | 0.386 | 0.773 | 0.773 | 0.564 |
| p_J | | | 0.770 | 0.575 | 0.947 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------------------|--------------|---------------|----------------|----------------|-----------------|
| Bili-tot (umol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.858 | 2.380 | 2.500 | 2.380 | 2.020 |
| Median | 1.905 | 2.260 | 2.380 | 2.260 | 2.020 |
| Min | 1.480 | 2.140 | 2.380 | 2.140 | 1.900 |
| Max | 2.140 | 2.860 | 2.860 | 2.860 | 2.140 |
| p_W | | 0.065 | 0.017 * | 0.065 | 0.536 |
| p_J | | | 0.013 | 0.062 | 0.894 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.385 | 2.753 | 2.935 | 2.875 | 2.508 |
| Median | 2.325 | 2.570 | 2.935 | 3.060 | 2.570 |
| Min | 2.200 | 2.200 | 2.690 | 2.200 | 1.710 |
| Max | 2.690 | 3.670 | 3.180 | 3.180 | 3.180 |
| p_W | | 0.369 | 0.036 * | 0.137 | 0.767 |
| p_J | | | 0.057 | 0.069 | 0.388 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.693 | 2.938 | 2.938 | 2.998 | 2.878 |
| Median | 2.695 | 2.690 | 2.940 | 2.935 | 2.695 |
| Min | 2.200 | 2.450 | 2.690 | 2.690 | 2.450 |
| Max | 3.180 | 3.920 | 3.180 | 3.430 | 3.670 |
| p_W | | 0.661 | 0.457 | 0.306 | 0.655 |
| p_J | | | 0.306 | 0.225 | 0.528 |
| Prot (g/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 54.24 | 55.35 | 54.59 | 52.75 | 54.47 |
| Median | 54.64 | 55.80 | 55.26 | 53.50 | 54.82 |
| Min | 52.58 | 51.65 | 51.40 | 49.97 | 51.46 |
| Max | 55.11 | 58.15 | 56.46 | 54.04 | 56.77 |
| p_W | | 0.773 | 0.386 | 0.149 | 0.773 |
| p_J | | | 0.770 | 0.225 | 0.550 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 55.49 | 57.03 | 57.29 | 54.80 | 54.33 |
| Median | 54.88 | 56.33 | 57.03 | 54.76 | 54.19 |
| Min | 53.19 | 55.61 | 55.26 | 52.62 | 53.41 |
| Max | 59.01 | 59.83 | 59.85 | 57.08 | 55.53 |
| p_W | | 0.386 | 0.248 | 0.564 | 0.773 |
| p_J | | | 0.242 | 0.779 | 0.184 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 57.72 | 59.73 | 58.78 | 57.27 | 56.76 |
| Median | 57.35 | 60.76 | 58.46 | 56.88 | 56.78 |
| Min | 53.94 | 56.12 | 57.72 | 55.03 | 54.74 |
| Max | 62.26 | 61.29 | 60.49 | 60.29 | 58.75 |
| p_W | | 0.564 | 0.468 | 0.773 | 0.773 |
| p_J | | | 0.826 | 0.427 | 0.153 |
| Alb (g/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 31.18 | 30.93 | 31.82 | 29.85 | 30.68 |
| Median | 31.16 | 31.23 | 31.61 | 29.89 | 30.83 |
| Min | 30.68 | 29.38 | 30.86 | 27.53 | 29.51 |
| Max | 31.71 | 31.89 | 33.20 | 32.10 | 31.56 |
| p_W | | 0.885 | 0.386 | 0.386 | 0.386 |
| p_J | | | 0.272 | 0.744 | 0.486 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 31.48 | 32.21 | 33.17 | 31.78 | 30.83 |
| Median | 31.31 | 31.89 | 33.16 | 31.27 | 30.64 |
| Min | 30.25 | 31.12 | 32.59 | 30.80 | 30.25 |
| Max | 33.04 | 33.92 | 33.77 | 33.77 | 31.78 |
| p_W | | 0.309 | 0.083 | 0.885 | 0.468 |
| p_J | | | 0.048 | 0.608 | 0.288 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 32.88 | 32.98 | 34.28 | 32.55 | 32.27 |
| Median | 32.62 | 32.90 | 34.25 | 32.88 | 32.38 |
| Min | 31.43 | 32.24 | 33.86 | 30.27 | 31.71 |
| Max | 34.84 | 33.87 | 34.77 | 34.15 | 32.62 |
| p_W | | 1.000 | 0.248 | 0.773 | 0.386 |
| p_J | | | 0.107 | 0.779 | 0.465 |
| Glob (g/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 23.07 | 24.42 | 22.78 | 22.90 | 23.78 |
| Median | 23.71 | 25.26 | 23.02 | 22.39 | 23.88 |
| Min | 20.87 | 20.91 | 20.54 | 21.94 | 21.95 |
| Max | 23.98 | 26.26 | 24.53 | 24.88 | 25.43 |
| p_W | | 0.149 | 0.564 | 0.773 | 0.386 |
| p_J | | | 0.770 | 0.513 | 0.947 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 24.01 | 24.82 | 24.12 | 23.03 | 23.50 |
| Median | 23.84 | 24.85 | 24.26 | 23.08 | 23.13 |
| Min | 22.40 | 23.68 | 21.90 | 21.82 | 22.47 |
| Max | 25.97 | 25.91 | 26.08 | 24.14 | 25.28 |
| p_W | | 0.564 | 0.773 | 0.386 | 0.773 |
| p_J | | | 0.826 | 0.283 | 0.195 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 24.85 | 26.76 | 24.50 | 24.72 | 24.49 |
| Median | 25.26 | 27.05 | 24.13 | 24.73 | 24.72 |
| Min | 21.45 | 23.87 | 23.12 | 23.30 | 22.39 |
| Max | 27.42 | 29.05 | 26.63 | 26.14 | 26.13 |
| p_W | | 0.386 | 0.564 | 0.564 | 0.564 |
| p_J | | | 0.464 | 0.350 | 0.259 |
| A/G (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.358 | 1.275 | 1.403 | 1.310 | 1.290 |
| Median | 1.315 | 1.220 | 1.420 | 1.305 | 1.295 |
| Min | 1.280 | 1.190 | 1.270 | 1.170 | 1.230 |
| Max | 1.520 | 1.470 | 1.500 | 1.460 | 1.340 |
| p_W | | 0.149 | 0.773 | 0.564 | 0.386 |
| p_J | | | 0.884 | 0.674 | 0.507 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.315 | 1.298 | 1.380 | 1.380 | 1.315 |
| Median | 1.295 | 1.320 | 1.355 | 1.385 | 1.325 |
| Min | 1.260 | 1.200 | 1.290 | 1.300 | 1.200 |
| Max | 1.410 | 1.350 | 1.520 | 1.450 | 1.410 |
| p_W | | 1.000 | 0.248 | 0.191 | 0.885 |
| p_J | | | 0.272 | 0.093 | 0.352 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.330 | 1.240 | 1.403 | 1.320 | 1.320 |
| Median | 1.285 | 1.250 | 1.420 | 1.305 | 1.295 |
| Min | 1.240 | 1.110 | 1.270 | 1.220 | 1.250 |
| Max | 1.510 | 1.350 | 1.500 | 1.450 | 1.440 |
| p_W | | 0.309 | 0.468 | 0.885 | 0.885 |
| p_J | | | 0.380 | 0.544 | 0.666 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------------------|--------------|---------------|----------------|----------------|-----------------|
| Chol (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.390 | 4.088 | 3.688 | 3.455 | 3.390 |
| Median | 4.465 | 3.965 | 3.590 | 3.420 | 3.390 |
| Min | 3.780 | 3.620 | 3.210 | 3.000 | 3.160 |
| Max | 4.850 | 4.800 | 4.360 | 3.980 | 3.620 |
| p_W | | 0.386 | 0.149 | 0.043 * | 0.021 * |
| p_J | | | 0.079 | 0.013 | 0.003 - |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.578 | 3.880 | 3.866 | 3.475 | 3.285 |
| Median | 4.500 | 3.630 | 3.515 | 3.460 | 3.265 |
| Min | 3.810 | 3.440 | 3.300 | 3.190 | 3.140 |
| Max | 5.500 | 4.820 | 5.135 | 3.790 | 3.470 |
| p_W | | 0.083 | 0.149 | 0.021 * | 0.021 * |
| p_J | | | 0.107 | 0.020 | 0.001 - |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.293 | 4.023 | 3.743 | 3.575 | 3.513 |
| Median | 4.190 | 3.730 | 3.630 | 3.615 | 3.455 |
| Min | 3.620 | 3.600 | 3.220 | 3.150 | 3.380 |
| Max | 5.170 | 5.030 | 4.490 | 3.920 | 3.760 |
| p_W | | 0.386 | 0.149 | 0.248 | 0.043 * |
| p_J | | | 0.107 | 0.093 | 0.028 |
| Trigly (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.430 | 0.423 | 0.494 | 0.343 | 0.363 |
| Median | 0.460 | 0.450 | 0.490 | 0.335 | 0.340 |
| Min | 0.310 | 0.280 | 0.360 | 0.320 | 0.280 |
| Max | 0.490 | 0.510 | 0.635 | 0.380 | 0.490 |
| p_W | | 0.885 | 0.564 | 0.248 | 0.468 |
| p_J | | | 0.464 | 0.350 | 0.163 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.408 | 0.320 | 0.303 | 0.315 | 0.308 |
| Median | 0.405 | 0.315 | 0.300 | 0.330* | 0.330 |
| Min | 0.310 | 0.240 | 0.200 | 0.270 | 0.220 |
| Max | 0.510 | 0.410 | 0.410 | 0.330 | 0.350 |
| p_W | | 0.149 | 0.149 | 0.139 | 0.149 |
| p_J | | | 0.092 | 0.135 | 0.163 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.293 | 0.261 | 0.298 | 0.273 | 0.275 |
| Median | 0.325 | 0.275 | 0.285 | 0.260 | 0.290 |
| Min | 0.180 | 0.195 | 0.200 | 0.240 | 0.190 |
| Max | 0.340 | 0.300 | 0.420 | 0.330 | 0.330 |
| p_W | | 0.248 | 0.564 | 0.468 | 0.468 |
| p_J | | | 1.000 | 0.815 | 0.790 |
| Phos-Lip (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.116 | 4.888 | 4.508 | 4.203 | 4.048 |
| Median | 5.165 | 4.765 | 4.465 | 4.195 | 4.050 |
| Min | 4.460 | 4.330 | 3.910 | 3.600 | 3.840 |
| Max | 5.675 | 5.690 | 5.190 | 4.820 | 4.250 |
| p_W | | 0.773 | 0.149 | 0.043 * | 0.021 * |
| p_J | | | 0.188 | 0.025 | 0.003 - |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.090 | 4.535 | 4.571 | 4.168 | 4.110 |
| Median | 4.990 | 4.390 | 4.190 | 4.225 | 4.110 |
| Min | 4.600 | 4.100 | 4.100 | 3.890 | 3.920 |
| Max | 5.780 | 5.260 | 5.805 | 4.330 | 4.300 |
| p_W | | 0.083 | 0.248 | 0.021 * | 0.021 * |
| p_J | | | 0.092 | 0.020 | 0.003 - |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.923 | 4.841 | 4.623 | 4.343 | 4.383 |
| Median | 4.755 | 4.695 | 4.515 | 4.380 | 4.370 |
| Min | 4.450 | 4.190 | 4.110 | 3.940 | 4.280 |
| Max | 5.730 | 5.785 | 5.350 | 4.670 | 4.510 |
| p_W | | 1.000 | 0.773 | 0.248 | 0.110 |
| p_J | | | 0.558 | 0.191 | 0.078 |
| Na+ (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 147.6 | 145.9 | 147.2 | 147.2 | 146.7 |
| Median | 147.1 | 145.8 | 146.9 | 147.5 | 147.1 |
| Min | 146.5 | 144.5 | 145.8 | 146.0 | 144.2 |
| Max | 149.7 | 147.6 | 149.3 | 147.8 | 148.2 |
| p_W | | 0.080 | 0.384 | 0.772 | 0.772 |
| p_J | | | 0.464 | 0.963 | 0.974 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 147.1 | 146.4 | 147.6 | 146.2 | 146.5 |
| Median | 147.1 | 146.4 | 146.8 | 146.1 | 146.7 |
| Min | 145.9 | 145.3 | 146.3 | 145.2 | 145.0 |
| Max | 148.4 | 147.6 | 150.7 | 147.2 | 147.6 |
| p_W | | 0.468 | 1.000 | 0.248 | 0.559 |
| p_J | | | 0.942 | 0.327 | 0.352 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 147.5 | 148.0 | 147.8 | 147.1 | 146.1 |
| Median | 146.6 | 147.6 | 148.0 | 146.9 | 146.3 |
| Min | 145.3 | 146.7 | 145.6 | 146.0 | 144.5 |
| Max | 151.5 | 150.0 | 149.7 | 148.7 | 147.3 |
| p_W | | 0.386 | 0.564 | 0.773 | 0.564 |
| p_J | | | 0.558 | 0.963 | 0.245 |
| K+ (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.595 | 4.880 | 4.815 | 4.485 | 4.720 |
| Median | 4.505 | 4.905 | 4.725 | 4.510 | 4.735 |
| Min | 4.180 | 4.480 | 4.500 | 4.390 | 4.610 |
| Max | 5.190 | 5.230 | 5.310 | 4.530 | 4.800 |
| p_W | | 0.149 | 0.248 | 0.772 | 0.248 |
| p_J | | | 0.143 | 0.926 | 0.465 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.580 | 4.445 | 4.655 | 4.578 | 4.653 |
| Median | 4.605 | 4.490 | 4.650 | 4.550 | 4.665 |
| Min | 4.400 | 4.110 | 4.120 | 4.510 | 4.530 |
| Max | 4.710 | 4.690 | 5.200 | 4.700 | 4.750 |
| p_W | | 0.384 | 0.561 | 1.000 | 0.375 |
| p_J | | | 0.770 | 0.674 | 0.232 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.735 | 4.835 | 4.720 | 4.560 | 4.580 |
| Median | 4.655 | 4.765 | 4.615 | 4.545 | 4.660 |
| Min | 4.220 | 4.510 | 4.440 | 4.340 | 4.240 |
| Max | 5.410 | 5.300 | 5.210 | 4.810 | 4.760 |
| p_W | | 0.564 | 1.000 | 0.773 | 0.773 |
| p_J | | | 0.942 | 0.641 | 0.642 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------------------|--------------|---------------|----------------|----------------|-----------------|
| Ca++ (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.825 | 2.795 | 2.830 | 2.745 | 2.743 |
| Median | 2.825 | 2.800 | 2.835 | 2.755 | 2.730 |
| Min | 2.790 | 2.690 | 2.730 | 2.670 | 2.700 |
| Max | 2.860 | 2.890 | 2.920 | 2.800 | 2.810 |
| p_W | | 0.564 | 1.000 | 0.043 * | 0.059 |
| p_J | | | 0.942 | 0.207 | 0.058 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.933 | 2.940 | 2.955 | 2.833 | 2.845 |
| Median | 2.950 | 2.935 | 2.950 | 2.845 | 2.850 |
| Min | 2.840 | 2.860 | 2.870 | 2.740 | 2.790 |
| Max | 2.990 | 3.030 | 3.050 | 2.900 | 2.890 |
| p_W | | 1.000 | 0.564 | 0.083 | 0.110 |
| p_J | | | 0.661 | 0.148 | 0.028 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.783 | 2.753 | 2.773 | 2.665 | 2.633 |
| Median | 2.770 | 2.720 | 2.795 | 2.645 | 2.655 |
| Min | 2.730 | 2.690 | 2.630 | 2.630 | 2.540 |
| Max | 2.860 | 2.880 | 2.870 | 2.740 | 2.680 |
| p_W | | 0.386 | 1.000 | 0.042 * | 0.021 * |
| p_J | | | 0.661 | 0.069 | 0.006 - |
| Cl- (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 109.7 | 109.9 | 108.8 | 110.8 | 109.6 |
| Median | 109.4 | 109.8 | 109.4 | 111.4 | 109.6 |
| Min | 108.2 | 108.9 | 106.1 | 108.4 | 109.0 |
| Max | 111.8 | 111.0 | 110.5 | 111.9 | 110.1 |
| p_W | | 0.663 | 0.773 | 0.248 | 0.773 |
| p_J | | | 0.826 | 0.304 | 0.618 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 108.1 | 107.7 | 107.7 | 109.7 | 110.2 |
| Median | 108.1 | 107.7 | 107.6 | 109.6 | 110.0 |
| Min | 107.0 | 106.6 | 106.3 | 107.5 | 108.5 |
| Max | 109.1 | 108.8 | 109.1 | 112.2 | 112.3 |
| p_W | | 0.564 | 0.559 | 0.386 | 0.083 |
| p_J | | | 0.558 | 0.484 | 0.058 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 113.4 | 113.2 | 111.8 | 114.5 | 113.4 |
| Median | 113.9 | 113.3 | 111.5 | 114.4 | 113.6 |
| Min | 111.4 | 111.7 | 110.5 | 113.6 | 112.1 |
| Max | 114.6 | 114.6 | 113.9 | 115.4 | 114.4 |
| p_W | | 0.884 | 0.149 | 0.248 | 0.564 |
| p_J | | | 0.213 | 0.484 | 0.666 |
| PO4-in (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.215 | 2.225 | 2.220 | 2.310 | 2.090 |
| Median | 2.160 | 2.240 | 2.220 | 2.310 | 2.080 |
| Min | 2.100 | 2.150 | 2.150 | 2.140 | 2.030 |
| Max | 2.440 | 2.270 | 2.290 | 2.480 | 2.170 |
| p_W | | 0.468 | 0.468 | 0.386 | 0.144 |
| p_J | | | 0.510 | 0.327 | 0.303 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.983 | 1.885 | 2.006 | 1.973 | 1.803 |
| Median | 1.980 | 1.925 | 1.985 | 1.975 | 1.765 |
| Min | 1.860 | 1.750 | 1.880 | 1.920 | 1.740 |
| Max | 2.110 | 1.940 | 2.175 | 2.020 | 1.940 |
| p_W | | 0.149 | 0.773 | 0.885 | 0.043 * |
| p_J | | | 0.884 | 0.608 | 0.219 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.668 | 1.625 | 1.725 | 1.830 | 1.583 |
| Median | 1.665 | 1.630 | 1.765 | 1.815 | 1.535 |
| Min | 1.640 | 1.520 | 1.510 | 1.750 | 1.440 |
| Max | 1.700 | 1.720 | 1.860 | 1.940 | 1.820 |
| p_W | | 0.773 | 0.248 | 0.021 * | 0.248 |
| p_J | | | 0.341 | 0.017 | 0.528 |
| ASAT (GOT) (U/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 18.79 | 24.06 | 21.13 | 19.73 | 21.13 |
| Median | 18.95 | 22.35 | 21.15 | 19.25 | 19.90 |
| Min | 13.65 | 20.50 | 18.00 | 17.40 | 18.60 |
| Max | 23.60 | 31.05 | 24.20 | 23.00 | 26.10 |
| p_W | | 0.309 | 0.468 | 0.773 | 0.564 |
| p_J | | | 0.661 | 0.709 | 0.790 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 23.03 | 24.70 | 25.30 | 24.98 | 21.13 |
| Median | 23.65 | 26.10 | 24.20 | 23.90 | 20.50 |
| Min | 19.90 | 16.80 | 22.40 | 21.70 | 18.60 |
| Max | 24.90 | 29.80 | 30.40 | 30.40 | 24.90 |
| p_W | | 0.561 | 0.659 | 0.772 | 0.237 |
| p_J | | | 0.510 | 0.674 | 0.425 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 20.95 | 20.98 | 23.00 | 21.45 | 19.88 |
| Median | 21.10 | 20.20 | 23.60 | 21.45 | 20.50 |
| Min | 19.90 | 18.00 | 19.30 | 17.40 | 17.40 |
| Max | 21.70 | 25.50 | 25.50 | 25.50 | 21.10 |
| p_W | | 1.000 | 0.243 | 0.661 | 0.372 |
| p_J | | | 0.272 | 0.544 | 0.690 |
| ALAT (GPT) (U/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 50.01 | 49.63 | 42.75 | 39.43 | 41.48 |
| Median | 45.95 | 50.40 | 42.90 | 41.10 | 40.75 |
| Min | 30.40 | 37.00 | 40.00 | 25.90 | 34.80 |
| Max | 77.75 | 60.70 | 45.20 | 49.60 | 49.60 |
| p_W | | 0.663 | 0.306 | 0.564 | 0.564 |
| p_J | | | 0.380 | 0.225 | 0.163 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 66.90 | 47.75 | 44.98 | 41.09 | 41.30 |
| Median | 51.45 | 48.10 | 46.65 | 41.45 | 41.10 |
| Min | 35.50 | 37.80 | 38.50 | 28.85 | 36.30 |
| Max | 129.2 | 57.00 | 48.10 | 52.60 | 46.70 |
| p_W | | 0.773 | 0.885 | 0.564 | 0.773 |
| p_J | | | 0.714 | 0.401 | 0.259 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 73.40 | 49.08 | 49.05 | 47.20 | 42.93 |
| Median | 50.35 | 47.80 | 46.65 | 43.70 | 41.45 |
| Min | 36.30 | 43.70 | 43.70 | 40.70 | 31.80 |
| Max | 156.6 | 57.00 | 59.20 | 60.70 | 57.00 |
| p_W | | 0.773 | 0.663 | 0.561 | 0.386 |
| p_J | | | 0.770 | 0.350 | 0.078 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 | |
|------------|--------------|---------------|----------------|----------------|-----------------|---------|
| ALP | | | | | | |
| (U/l) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | |
| | Mean | 92.65 | 107.0 | 126.4 | 104.3 | 107.5 |
| | Median | 95.05 | 103.3 | 125.4 | 97.35 | 114.1 |
| | Min | 70.10 | 85.60 | 116.1 | 86.20 | 78.00 |
| | Max | 110.4 | 135.8 | 138.9 | 136.3 | 123.7 |
| | p_W | | 0.248 | 0.021 * | 0.564 | 0.248 |
| | p_J | | | 0.013 | 0.191 | 0.352 |
| week: 7 | N | 4 | 4 | 4 | 4 | |
| | Mean | 80.46 | 93.38 | 107.3 | 87.68 | 150.1 |
| | Median | 81.85 | 96.20 | 105.9 | 83.95 | 147.3 |
| | Min | 50.55 | 76.30 | 92.70 | 77.20 | 98.90 |
| | Max | 107.6 | 104.8 | 124.5 | 105.6 | 206.8 |
| | p_W | | 0.564 | 0.083 | 0.773 | 0.043 * |
| | p_J | | | 0.079 | 0.575 | 0.039 |
| week: 13 | N | 4 | 4 | 4 | 4 | |
| | Mean | 65.00 | 76.98 | 84.58 | 79.23 | 135.2 |
| | Median | 66.75 | 78.85 | 81.70 | 76.60 | 129.3 |
| | Min | 38.00 | 55.50 | 74.10 | 70.70 | 91.80 |
| | Max | 88.50 | 94.70 | 100.8 | 93.00 | 190.3 |
| | p_W | | 0.386 | 0.149 | 0.386 | 0.021 * |
| | p_J | | | 0.143 | 0.304 | 0.008 + |
| GGT | | | | | | |
| (U/l) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | |
| | Mean | 4.000 | 3.825 | 3.675 | 3.350 | 3.975 |
| | Median | 3.850 | 3.800 | 3.500 | 3.200 | 3.800 |
| | Min | 3.200 | 3.200 | 3.200 | 3.200 | 3.200 |
| | Max | 5.100 | 4.500 | 4.500 | 3.800 | 5.100 |
| | p_W | | 0.881 | 0.642 | 0.321 | 0.881 |
| | p_J | | | 0.608 | 0.207 | 0.690 |
| week: 7 | N | 4 | 4 | 4 | 4 | |
| | Mean | 1.275 | 2.050 | 0.800 | 2.675 | 3.500 |
| | Median | 0.000 | 2.500 | 0.000 | 2.500 | 3.500 |
| | Min | 0.000 | 0.000 | 0.000 | 2.500 | 3.200 |
| | Max | 5.100 | 3.200 | 3.200 | 3.200 | 3.800 |
| | p_W | | 0.439 | 0.850 | 0.225 | 0.234 |
| | p_J | | | 0.884 | 0.401 | 0.018 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.125 | 3.650 | 3.175 | 3.675 | 4.325 |
| Median | 3.800 | 3.500 | 3.200 | 3.500 | 4.500 |
| Min | 3.200 | 2.500 | 2.500 | 3.200 | 3.800 |
| Max | 5.700 | 5.100 | 3.800 | 4.500 | 4.500 |
| p_W | | 0.457 | 0.129 | 0.544 | 0.363 |
| p_J | | | 0.164 | 0.484 | 0.445 |
| CK (U/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 187.6 | 223.4 | 225.0 | 216.0 | 212.6 |
| Median | 192.4 | 222.6 | 226.3 | 215.2 | 216.3 |
| Min | 148.4 | 194.0 | 177.0 | 198.2 | 191.9 |
| Max | 217.3 | 254.4 | 270.3 | 235.3 | 225.8 |
| p_W | | 0.149 | 0.083 | 0.191 | 0.248 |
| p_J | | | 0.107 | 0.243 | 0.486 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 178.9 | 173.1 | 289.9 | 214.9 | 191.4 |
| Median | 162.7 | 174.9 | 180.2 | 200.9 | 195.1 |
| Min | 155.8 | 141.0 | 165.4 | 179.1 | 154.8 |
| Max | 234.3 | 201.4 | 633.9 | 278.8 | 220.5 |
| p_W | | 1.000 | 0.384 | 0.149 | 0.773 |
| p_J | | | 0.380 | 0.112 | 0.232 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 148.2 | 172.2 | 203.5 | 181.5 | 170.1 |
| Median | 141.6 | 171.7 | 212.0 | 191.9 | 162.7 |
| Min | 128.3 | 129.3 | 173.8 | 123.0 | 131.4 |
| Max | 181.3 | 216.2 | 216.2 | 219.4 | 223.7 |
| p_W | | 0.245 | 0.042 * | 0.245 | 0.245 |
| p_J | | | 0.034 | 0.084 | 0.273 |

Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05

JONCKHEERE: +- if p_J < 0.01

Blood chemistry (statistics): females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------------|--------------|---------------|----------------|----------------|-----------------|
| Gluc (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.743 | 5.370 | 6.003 | 5.875 | 5.500 |
| Median | 5.820 | 5.395 | 5.965 | 5.910 | 5.445 |
| Min | 5.390 | 5.100 | 5.590 | 5.730 | 5.130 |
| Max | 5.940 | 5.590 | 6.490 | 5.950 | 5.980 |
| p_W | | 0.083 | 0.564 | 0.468 | 0.386 |
| p_J | | | 0.608 | 0.191 | 0.842 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.875 | 5.660 | 6.268 | 5.728 | 5.788 |
| Median | 5.825 | 5.620 | 6.195 | 5.730 | 5.745 |
| Min | 5.490 | 5.410 | 5.960 | 5.490 | 5.520 |
| Max | 6.360 | 5.990 | 6.720 | 5.960 | 6.140 |
| p_W | | 0.386 | 0.083 | 0.468 | 1.000 |
| p_J | | | 0.143 | 0.926 | 0.947 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.505 | 5.463 | 5.858 | 5.570 | 5.310 |
| Median | 5.465 | 5.390 | 5.645 | 5.585 | 5.470 |
| Min | 5.190 | 5.190 | 5.550 | 5.500 | 4.600 |
| Max | 5.900 | 5.880 | 6.590 | 5.610 | 5.700 |
| p_W | | 0.885 | 0.149 | 0.248 | 0.773 |
| p_J | | | 0.164 | 0.191 | 0.642 |
| Urea (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.020 | 3.808 | 4.210 | 3.798 | 4.013 |
| Median | 4.075 | 3.830 | 4.135 | 3.920 | 3.935 |
| Min | 3.340 | 3.340 | 3.650 | 2.580 | 2.680 |
| Max | 4.590 | 4.230 | 4.920 | 4.770 | 5.500 |
| p_W | | 0.468 | 0.773 | 1.000 | 1.000 |
| p_J | | | 0.770 | 0.926 | 0.894 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.730 | 3.915 | 4.330 | 4.330 | 3.723 |
| Median | 3.570 | 4.000 | 4.040 | 4.345 | 3.720 |
| Min | 3.070 | 3.160 | 3.890 | 3.860 | 3.040 |
| Max | 4.710 | 4.500 | 5.350 | 4.770 | 4.410 |
| p_W | | 0.773 | 0.248 | 0.248 | 1.000 |
| p_J | | | 0.306 | 0.135 | 0.618 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.075 | 4.220 | 4.258 | 4.185 | 4.158 |
| Median | 4.045 | 3.970 | 4.380 | 4.420 | 4.240 |
| Min | 3.830 | 3.680 | 3.680 | 3.010 | 2.950 |
| Max | 4.380 | 5.260 | 4.590 | 4.890 | 5.200 |
| p_W | | 0.663 | 0.386 | 0.564 | 1.000 |
| p_J | | | 0.661 | 0.575 | 0.740 |
| Creat-e (umol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 79.10 | 75.75 | 79.90 | 79.03 | 76.70 |
| Median | 79.50 | 74.40 | 79.90 | 77.80 | 77.00 |
| Min | 73.30 | 68.40 | 75.20 | 71.60 | 64.80 |
| Max | 84.10 | 85.80 | 84.60 | 88.90 | 88.00 |
| p_W | | 0.564 | 0.773 | 1.000 | 0.564 |
| p_J | | | 0.884 | 0.852 | 0.894 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 79.23 | 73.73 | 80.65 | 77.05 | 75.40 |
| Median | 76.45 | 74.45 | 80.10 | 78.00 | 76.55 |
| Min | 71.90 | 66.20 | 74.30 | 69.70 | 61.90 |
| Max | 92.10 | 79.80 | 88.10 | 82.50 | 86.60 |
| p_W | | 0.248 | 0.663 | 1.000 | 0.773 |
| p_J | | | 0.714 | 0.674 | 0.921 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 78.38 | 74.43 | 82.95 | 80.90 | 77.88 |
| Median | 77.60 | 74.85 | 84.15 | 83.75 | 77.95 |
| Min | 71.20 | 69.20 | 75.30 | 71.70 | 72.30 |
| Max | 87.10 | 78.80 | 88.20 | 84.40 | 83.30 |
| p_W | | 0.386 | 0.149 | 0.564 | 1.000 |
| p_J | | | 0.242 | 0.225 | 0.550 |
| Bili-tot (umol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.440 | 2.618 | 2.260 | 2.345 | 2.530 |
| Median | 2.380 | 2.620 | 2.300 | 2.345 | 2.470 |
| Min | 2.140 | 1.900 | 1.970 | 2.220 | 2.470 |
| Max | 2.860 | 3.330 | 2.470 | 2.470 | 2.710 |
| p_W | | 0.661 | 0.561 | 1.000 | 0.766 |
| p_J | | | 0.661 | 0.779 | 0.528 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.755 | 2.755 | 2.693 | 2.755 | 2.570 |
| Median | 2.815 | 2.695 | 2.695 | 2.815 | 2.450 |
| Min | 2.450 | 2.450 | 2.200 | 2.450 | 2.200 |
| Max | 2.940 | 3.180 | 3.180 | 2.940 | 3.180 |
| p_W | | 1.000 | 0.882 | 1.000 | 0.372 |
| p_J | | | 0.826 | 0.926 | 0.486 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.755 | 3.490 | 3.245 | 3.120 | 2.570 |
| Median | 2.695 | 3.675 | 3.185 | 3.180 | 2.570 |
| Min | 2.450 | 2.690 | 2.940 | 2.200 | 2.200 |
| Max | 3.180 | 3.920 | 3.670 | 3.920 | 2.940 |
| p_W | | 0.080 | 0.137 | 0.372 | 0.457 |
| p_J | | | 0.213 | 0.427 | 0.425 |
| Prot (g/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 55.08 | 54.97 | 53.98 | 54.59 | 55.73 |
| Median | 54.93 | 55.28 | 53.50 | 54.55 | 55.01 |
| Min | 52.55 | 52.50 | 51.32 | 52.95 | 53.82 |
| Max | 57.90 | 56.83 | 57.59 | 56.32 | 59.08 |
| p_W | | 0.885 | 0.386 | 0.773 | 0.773 |
| p_J | | | 0.510 | 0.608 | 0.974 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 55.45 | 54.74 | 53.32 | 54.38 | 54.95 |
| Median | 55.08 | 54.08 | 53.51 | 54.30 | 54.58 |
| Min | 53.98 | 51.56 | 51.56 | 53.87 | 52.57 |
| Max | 57.65 | 59.23 | 54.72 | 55.07 | 58.06 |
| p_W | | 0.564 | 0.149 | 0.309 | 1.000 |
| p_J | | | 0.164 | 0.401 | 0.790 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 57.43 | 57.97 | 58.48 | 56.75 | 57.58 |
| Median | 56.78 | 57.46 | 56.92 | 57.19 | 56.93 |
| Min | 55.52 | 57.09 | 56.55 | 54.86 | 56.72 |
| Max | 60.66 | 59.86 | 63.52 | 57.77 | 59.72 |
| p_W | | 0.248 | 0.384 | 0.885 | 0.564 |
| p_J | | | 0.661 | 0.963 | 0.921 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------------|--------------|---------------|----------------|----------------|-----------------|
| Alb (g/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 32.27 | 33.31 | 32.69 | 32.71 | 33.30 |
| Median | 32.27 | 33.30 | 32.45 | 32.29 | 32.88 |
| Min | 31.85 | 33.09 | 31.14 | 30.99 | 32.65 |
| Max | 32.69 | 33.54 | 34.70 | 35.26 | 34.78 |
| p_W | | 0.021 * | 0.564 | 1.000 | 0.043 * |
| p_J | | | 0.380 | 0.852 | 0.425 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 32.43 | 33.20 | 32.91 | 33.02 | 32.81 |
| Median | 32.59 | 32.97 | 33.02 | 32.98 | 32.65 |
| Min | 31.55 | 32.35 | 31.83 | 32.48 | 31.49 |
| Max | 32.97 | 34.52 | 33.78 | 33.62 | 34.47 |
| p_W | | 0.248 | 0.248 | 0.248 | 1.000 |
| p_J | | | 0.242 | 0.262 | 0.690 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 33.24 | 34.25 | 34.52 | 33.96 | 33.43 |
| Median | 33.67 | 34.52 | 34.08 | 34.04 | 33.35 |
| Min | 31.48 | 33.04 | 33.07 | 32.38 | 32.90 |
| Max | 34.16 | 34.91 | 36.84 | 35.38 | 34.11 |
| p_W | | 0.149 | 0.386 | 0.386 | 0.773 |
| p_J | | | 0.272 | 0.427 | 0.765 |
| Glob (g/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 22.81 | 21.67 | 21.29 | 21.89 | 22.43 |
| Median | 22.67 | 22.14 | 21.05 | 21.70 | 22.23 |
| Min | 20.70 | 18.96 | 20.18 | 21.06 | 20.97 |
| Max | 25.21 | 23.44 | 22.89 | 23.08 | 24.30 |
| p_W | | 0.386 | 0.386 | 0.564 | 0.564 |
| p_J | | | 0.242 | 0.513 | 0.842 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 23.02 | 21.54 | 20.41 | 21.37 | 22.14 |
| Median | 22.86 | 20.65 | 20.34 | 21.32 | 22.63 |
| Min | 21.69 | 18.71 | 19.71 | 20.70 | 19.69 |
| Max | 24.68 | 26.15 | 21.26 | 22.13 | 23.59 |
| p_W | | 0.386 | 0.021 * | 0.043 * | 0.564 |
| p_J | | | 0.107 | 0.225 | 0.740 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 24.19 | 23.72 | 23.96 | 22.80 | 24.15 |
| Median | 23.69 | 23.76 | 23.31 | 22.83 | 23.71 |
| Min | 22.73 | 22.41 | 22.56 | 21.24 | 22.95 |
| Max | 26.65 | 24.95 | 26.68 | 24.28 | 26.23 |
| p_W | | 0.773 | 0.773 | 0.248 | 1.000 |
| p_J | | | 0.770 | 0.225 | 0.690 |
| A/G (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.420 | 1.545 | 1.535 | 1.498 | 1.488 |
| Median | 1.420 | 1.495 | 1.540 | 1.490 | 1.475 |
| Min | 1.300 | 1.420 | 1.520 | 1.340 | 1.430 |
| Max | 1.540 | 1.770 | 1.540 | 1.670 | 1.570 |
| p_W | | 0.248 | 0.091 | 0.386 | 0.191 |
| p_J | | | 0.048 | 0.304 | 0.486 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.413 | 1.575 | 1.613 | 1.548 | 1.490 |
| Median | 1.410 | 1.600 | 1.610 | 1.555 | 1.455 |
| Min | 1.340 | 1.270 | 1.550 | 1.470 | 1.380 |
| Max | 1.490 | 1.830 | 1.680 | 1.610 | 1.670 |
| p_W | | 0.468 | 0.020 * | 0.043 * | 0.309 |
| p_J | | | 0.124 | 0.243 | 0.690 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.380 | 1.448 | 1.443 | 1.493 | 1.390 |
| Median | 1.370 | 1.445 | 1.435 | 1.530 | 1.395 |
| Min | 1.280 | 1.350 | 1.380 | 1.330 | 1.280 |
| Max | 1.500 | 1.550 | 1.520 | 1.580 | 1.490 |
| p_W | | 0.386 | 0.386 | 0.146 | 0.885 |
| p_J | | | 0.464 | 0.176 | 0.740 |
| Chol (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 3.918 | 3.734 | 3.963 | 4.140 | 4.035 |
| Median | 3.965 | 3.835 | 3.945 | 4.120 | 4.125 |
| Min | 2.730 | 2.575 | 3.000 | 3.750 | 3.720 |
| Max | 5.010 | 4.690 | 4.960 | 4.570 | 4.170 |
| p_W | | 0.564 | 1.000 | 0.564 | 1.000 |
| p_J | | | 1.000 | 0.575 | 0.690 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.078 | 3.678 | 3.848 | 4.363 | 3.745 |
| Median | 4.110 | 3.990 | 3.825 | 4.535 | 3.795 |
| Min | 2.740 | 2.690 | 3.050 | 3.490 | 3.190 |
| Max | 5.350 | 4.040 | 4.690 | 4.890 | 4.200 |
| p_W | | 0.561 | 0.773 | 0.773 | 0.773 |
| p_J | | | 0.770 | 0.513 | 1.000 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.056 | 3.633 | 3.923 | 4.433 | 3.690 |
| Median | 3.880 | 3.800 | 3.815 | 4.610 | 3.860 |
| Min | 3.030 | 2.810 | 3.310 | 3.540 | 2.860 |
| Max | 5.435 | 4.120 | 4.750 | 4.970 | 4.180 |
| p_W | | 0.384 | 1.000 | 0.564 | 0.773 |
| p_J | | | 0.884 | 0.304 | 0.790 |
| Trigly (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.430 | 0.470 | 0.373 | 0.465 | 0.380 |
| Median | 0.435 | 0.475 | 0.390 | 0.460 | 0.365 |
| Min | 0.360 | 0.450 | 0.290 | 0.390 | 0.320 |
| Max | 0.490 | 0.480 | 0.420 | 0.550 | 0.470 |
| p_W | | 0.384 | 0.248 | 0.564 | 0.248 |
| p_J | | | 0.188 | 0.815 | 0.259 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.330 | 0.390 | 0.284 | 0.360 | 0.375 |
| Median | 0.340 | 0.375 | 0.295 | 0.360 | 0.375 |
| Min | 0.280 | 0.280 | 0.195 | 0.260 | 0.300 |
| Max | 0.360 | 0.530 | 0.350 | 0.460 | 0.450 |
| p_W | | 0.381 | 0.309 | 0.564 | 0.564 |
| p_J | | | 0.464 | 0.926 | 0.666 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.265 | 0.280 | 0.220 | 0.285 | 0.273 |
| Median | 0.260 | 0.280 | 0.205 | 0.265 | 0.275 |
| Min | 0.220 | 0.210 | 0.180 | 0.220 | 0.210 |
| Max | 0.320 | 0.350 | 0.290 | 0.390 | 0.330 |
| p_W | | 0.773 | 0.149 | 0.770 | 0.885 |
| p_J | | | 0.164 | 0.744 | 0.947 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------------------|--------------|---------------|----------------|----------------|-----------------|
| Phos-Lip (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.563 | 4.616 | 4.508 | 4.698 | 4.843 |
| Median | 4.695 | 4.735 | 4.615 | 4.705 | 4.915 |
| Min | 3.390 | 3.140 | 3.530 | 4.410 | 4.510 |
| Max | 5.470 | 5.855 | 5.270 | 4.970 | 5.030 |
| p_W | | 1.000 | 1.000 | 1.000 | 1.000 |
| p_J | | | 0.884 | 0.926 | 0.666 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.688 | 4.438 | 4.430 | 5.003 | 4.635 |
| Median | 4.770 | 4.720 | 4.420 | 5.055 | 4.745 |
| Min | 3.560 | 3.500 | 3.790 | 4.550 | 4.010 |
| Max | 5.650 | 4.810 | 5.090 | 5.350 | 5.040 |
| p_W | | 0.564 | 0.564 | 0.773 | 0.773 |
| p_J | | | 0.510 | 0.544 | 0.765 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.699 | 4.480 | 4.608 | 5.023 | 4.633 |
| Median | 4.550 | 4.680 | 4.505 | 5.150 | 4.725 |
| Min | 3.850 | 3.470 | 4.110 | 4.320 | 3.980 |
| Max | 5.845 | 5.090 | 5.310 | 5.470 | 5.100 |
| p_W | | 0.773 | 1.000 | 0.564 | 0.773 |
| p_J | | | 0.770 | 0.262 | 0.507 |
| Na+ (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 147.6 | 148.5 | 148.8 | 148.0 | 149.2 |
| Median | 147.5 | 148.8 | 148.5 | 148.0 | 149.3 |
| Min | 146.4 | 146.9 | 147.8 | 146.4 | 148.2 |
| Max | 149.0 | 149.4 | 150.3 | 149.6 | 150.1 |
| p_W | | 0.309 | 0.149 | 0.468 | 0.083 |
| p_J | | | 0.213 | 0.575 | 0.135 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 145.3 | 145.5 | 147.5 | 148.0 | 148.0 |
| Median | 145.3 | 145.4 | 147.4 | 148.4 | 148.1 |
| Min | 144.7 | 143.8 | 146.4 | 146.3 | 147.2 |
| Max | 146.0 | 147.6 | 148.7 | 149.0 | 148.6 |
| p_W | | 1.000 | 0.021 * | 0.021 * | 0.021 * |
| p_J | | | 0.048 | 0.003 + | 0.001 + |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 147.7 | 147.6 | 148.6 | 149.1 | 148.4 |
| Median | 147.3 | 147.6 | 147.7 | 149.1 | 148.3 |
| Min | 147.0 | 147.0 | 145.9 | 147.7 | 147.8 |
| Max | 149.1 | 148.1 | 153.2 | 150.7 | 149.2 |
| p_W | | 0.885 | 0.885 | 0.081 | 0.149 |
| p_J | | | 0.770 | 0.191 | 0.063 |
| K+ (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.304 | 4.368 | 4.318 | 4.388 | 4.415 |
| Median | 4.315 | 4.395 | 4.335 | 4.420 | 4.390 |
| Min | 3.905 | 4.200 | 4.110 | 4.020 | 4.070 |
| Max | 4.680 | 4.480 | 4.490 | 4.690 | 4.810 |
| p_W | | 0.564 | 0.773 | 0.564 | 0.773 |
| p_J | | | 0.826 | 0.575 | 0.507 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.178 | 4.329 | 4.098 | 4.223 | 4.055 |
| Median | 4.250 | 4.285 | 4.090 | 4.250 | 4.105 |
| Min | 3.950 | 3.660 | 4.030 | 3.880 | 3.730 |
| Max | 4.260 | 5.085 | 4.180 | 4.510 | 4.280 |
| p_W | | 0.772 | 0.245 | 0.772 | 0.772 |
| p_J | | | 0.306 | 0.641 | 0.465 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.045 | 4.228 | 4.078 | 4.075 | 3.998 |
| Median | 4.060 | 4.175 | 4.035 | 4.150 | 4.025 |
| Min | 3.860 | 3.980 | 3.880 | 3.660 | 3.770 |
| Max | 4.200 | 4.580 | 4.360 | 4.340 | 4.170 |
| p_W | | 0.386 | 0.885 | 0.564 | 0.564 |
| p_J | | | 0.826 | 0.744 | 0.690 |
| Ca++ (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.720 | 2.755 | 2.773 | 2.780 | 2.843 |
| Median | 2.735 | 2.750 | 2.770 | 2.780 | 2.840 |
| Min | 2.670 | 2.650 | 2.750 | 2.750 | 2.820 |
| Max | 2.740 | 2.870 | 2.800 | 2.810 | 2.870 |
| p_W | | 0.772 | 0.019 * | 0.020 * | 0.019 * |
| p_J | | | 0.124 | 0.045 | 0.001 + |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.865 | 2.905 | 2.845 | 2.923 | 2.878 |
| Median | 2.850 | 2.915 | 2.845 | 2.940 | 2.875 |
| Min | 2.760 | 2.840 | 2.800 | 2.870 | 2.860 |
| Max | 3.000 | 2.950 | 2.890 | 2.940 | 2.900 |
| p_W | | 0.386 | 1.000 | 0.297 | 0.468 |
| p_J | | | 0.714 | 0.484 | 0.790 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.645 | 2.675 | 2.673 | 2.645 | 2.678 |
| Median | 2.645 | 2.670 | 2.660 | 2.650 | 2.665 |
| Min | 2.590 | 2.620 | 2.650 | 2.620 | 2.650 |
| Max | 2.700 | 2.740 | 2.720 | 2.660 | 2.730 |
| p_W | | 0.468 | 0.384 | 1.000 | 0.309 |
| p_J | | | 0.341 | 0.963 | 0.445 |
| Cl- (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 110.8 | 110.3 | 110.1 | 111.0 | 110.9 |
| Median | 111.1 | 109.5 | 110.5 | 111.5 | 110.9 |
| Min | 109.2 | 108.7 | 108.7 | 108.6 | 110.0 |
| Max | 111.6 | 113.3 | 110.7 | 112.3 | 111.8 |
| p_W | | 0.564 | 0.149 | 0.564 | 0.885 |
| p_J | | | 0.421 | 0.889 | 0.666 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 111.1 | 109.2 | 108.4 | 108.1 | 109.2 |
| Median | 111.4 | 109.5 | 108.5 | 108.1 | 109.1 |
| Min | 108.1 | 105.9 | 106.1 | 105.9 | 107.7 |
| Max | 113.3 | 111.9 | 110.7 | 110.2 | 111.0 |
| p_W | | 0.248 | 0.110 | 0.083 | 0.191 |
| p_J | | | 0.092 | 0.062 | 0.195 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 114.7 | 113.4 | 114.5 | 115.2 | 114.1 |
| Median | 114.6 | 113.4 | 113.4 | 114.4 | 114.0 |
| Min | 114.2 | 112.7 | 112.6 | 114.1 | 112.7 |
| Max | 115.3 | 114.1 | 118.7 | 118.0 | 115.6 |
| p_W | | 0.021 * | 0.248 | 0.564 | 0.663 |
| p_J | | | 0.079 | 0.815 | 0.868 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------------|--------------|---------------|----------------|----------------|-----------------|
| PO4-in (mmol/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.918 | 1.990 | 2.048 | 2.083 | 1.940 |
| Median | 1.925 | 2.010 | 2.005 | 1.995 | 1.935 |
| Min | 1.850 | 1.800 | 1.900 | 1.980 | 1.900 |
| Max | 1.970 | 2.140 | 2.280 | 2.360 | 1.990 |
| p_W | | 0.773 | 0.248 | 0.021 * | 0.773 |
| p_J | | | 0.306 | 0.076 | 0.486 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.830 | 1.994 | 1.763 | 1.978 | 1.598 |
| Median | 1.790 | 1.960 | 1.750 | 1.985 | 1.585 |
| Min | 1.640 | 1.810 | 1.630 | 1.850 | 1.560 |
| Max | 2.100 | 2.245 | 1.920 | 2.090 | 1.660 |
| p_W | | 0.149 | 0.386 | 0.248 | 0.043 * |
| p_J | | | 0.558 | 0.513 | 0.127 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.425 | 1.600 | 1.505 | 1.525 | 1.533 |
| Median | 1.400 | 1.550 | 1.530 | 1.520 | 1.515 |
| Min | 1.330 | 1.520 | 1.370 | 1.510 | 1.370 |
| Max | 1.570 | 1.780 | 1.590 | 1.550 | 1.730 |
| p_W | | 0.080 | 0.146 | 0.243 | 0.245 |
| p_J | | | 0.213 | 0.427 | 0.550 |
| ASAT (GOT) (U/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 18.05 | 21.90 | 20.80 | 23.45 | 24.23 |
| Median | 17.75 | 21.40 | 20.80 | 24.55 | 23.30 |
| Min | 16.20 | 16.20 | 18.60 | 18.60 | 20.50 |
| Max | 20.50 | 28.60 | 23.00 | 26.10 | 29.80 |
| p_W | | 0.139 | 0.146 | 0.080 | 0.028 * |
| p_J | | | 0.164 | 0.045 | 0.017 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 17.80 | 24.70 | 19.73 | 23.15 | 21.63 |
| Median | 17.10 | 23.95 | 19.25 | 23.30 | 21.15 |
| Min | 14.60 | 20.50 | 18.00 | 16.20 | 19.30 |
| Max | 22.40 | 30.40 | 22.40 | 29.80 | 24.90 |
| p_W | | 0.059 | 0.191 | 0.248 | 0.110 |
| p_J | | | 0.510 | 0.375 | 0.388 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|---------------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 17.54 | 24.55 | 18.25 | 18.65 | 20.50 |
| Median | 16.75 | 23.90 | 18.65 | 18.65 | 20.50 |
| Min | 13.65 | 19.30 | 14.60 | 14.90 | 18.00 |
| Max | 23.00 | 31.10 | 21.10 | 22.40 | 23.00 |
| p_W | | 0.083 | 0.772 | 0.663 | 0.309 |
| p_J | | | 0.884 | 0.852 | 0.790 |
| ALAT (GPT) (U/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 43.65 | 46.64 | 45.73 | 50.90 | 52.05 |
| Median | 45.50 | 48.50 | 44.80 | 48.85 | 50.75 |
| Min | 31.80 | 25.15 | 40.00 | 43.70 | 45.20 |
| Max | 51.80 | 64.40 | 53.30 | 62.20 | 61.50 |
| p_W | | 0.663 | 0.773 | 0.309 | 0.248 |
| p_J | | | 0.826 | 0.427 | 0.184 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 44.63 | 44.25 | 48.50 | 49.05 | 42.55 |
| Median | 47.40 | 44.80 | 48.50 | 45.55 | 42.90 |
| Min | 32.60 | 37.00 | 47.40 | 38.50 | 39.20 |
| Max | 51.10 | 50.40 | 49.60 | 66.60 | 45.20 |
| p_W | | 0.663 | 1.000 | 0.773 | 0.384 |
| p_J | | | 0.714 | 0.926 | 0.273 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 47.38 | 47.40 | 48.15 | 48.50 | 45.93 |
| Median | 43.70 | 45.55 | 49.25 | 50.35 | 44.45 |
| Min | 31.80 | 32.60 | 40.00 | 40.70 | 41.50 |
| Max | 70.30 | 65.90 | 54.10 | 52.60 | 53.30 |
| p_W | | 0.885 | 0.564 | 0.561 | 0.885 |
| p_J | | | 0.510 | 0.401 | 0.740 |
| ALP (U/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 82.55 | 106.8 | 76.51 | 91.70 | 93.95 |
| Median | 80.45 | 99.00 | 73.80 | 96.75 | 95.65 |
| Min | 76.30 | 93.80 | 52.55 | 63.40 | 87.00 |
| Max | 93.00 | 135.5 | 105.9 | 109.9 | 97.50 |
| p_W | | 0.021 * | 0.248 | 0.248 | 0.043 * |
| p_J | | | 0.884 | 0.744 | 0.618 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------|--------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 78.33 | 89.38 | 64.80 | 90.65 | 173.0 |
| | Median | 78.45 | 89.45 | 61.70 | 100.0 | 174.8 |
| | Min | 72.70 | 78.30 | 45.90 | 59.20 | 157.1 |
| | Max | 83.70 | 100.3 | 89.90 | 103.4 | 185.3 |
| | p_W | | 0.083 | 0.248 | 0.245 | 0.021 * |
| | p_J | | | 0.558 | 0.513 | 0.010 + |
| week: 13 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 64.10 | 70.83 | 59.43 | 76.90 | 165.9 |
| | Median | 65.35 | 70.25 | 55.60 | 84.35 | 172.0 |
| | Min | 54.10 | 64.50 | 46.80 | 45.90 | 140.6 |
| | Max | 71.60 | 78.30 | 79.70 | 93.00 | 179.2 |
| | p_W | | 0.149 | 0.386 | 0.248 | 0.021 * |
| | p_J | | | 0.770 | 0.350 | 0.005 + |
| GGT (U/l) | | | | | | |
| week: -1 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 3.025 | 3.525 | 2.838 | 1.900 | 3.650 |
| | Median | 3.200 | 3.200 | 3.150 | 1.250 | 3.800 |
| | Min | 2.500 | 3.200 | 1.250 | 0.000 | 3.200 |
| | Max | 3.200 | 4.500 | 3.800 | 5.100 | 3.800 |
| | p_W | | 0.186 | 0.881 | 0.294 | 0.040 * |
| | p_J | | | 0.770 | 0.455 | 0.595 |
| week: 7 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 1.425 | 0.625 | 1.875 | 1.600 | 3.425 |
| | Median | 1.250 | 0.000 | 2.500 | 1.600 | 3.200 |
| | Min | 0.000 | 0.000 | 0.000 | 0.000 | 3.150 |
| | Max | 3.200 | 2.500 | 2.500 | 3.200 | 4.150 |
| | p_W | | 0.405 | 0.874 | 0.752 | 0.074 |
| | p_J | | | 0.770 | 0.513 | 0.028 |
| week: 13 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 2.700 | 2.850 | 2.225 | 3.475 | 2.700 |
| | Median | 3.150 | 3.150 | 2.850 | 3.150 | 2.850 |
| | Min | 0.000 | 0.000 | 0.000 | 2.500 | 0.000 |
| | Max | 4.500 | 5.100 | 3.200 | 5.100 | 5.100 |
| | p_W | | 0.883 | 0.557 | 0.655 | 1.000 |
| | p_J | | | 0.608 | 0.852 | 0.947 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------|--------------|---------------|----------------|----------------|-----------------|
| CK (U/l) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 189.0 | 208.6 | 215.2 | 242.0 | 264.7 |
| Median | 189.8 | 203.5 | 224.7 | 242.2 | 231.6 |
| Min | 163.2 | 159.0 | 163.2 | 197.2 | 182.3 |
| Max | 213.1 | 268.2 | 248.0 | 286.2 | 413.4 |
| p_W | | 0.885 | 0.309 | 0.083 | 0.248 |
| p_J | | | 0.421 | 0.102 | 0.078 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 125.4 | 194.5 | 140.2 | 250.0 | 171.7 |
| Median | 126.2 | 190.8 | 138.9 | 188.7 | 183.4 |
| Min | 113.4 | 156.9 | 115.5 | 106.0 | 129.3 |
| Max | 135.7 | 239.6 | 167.5 | 516.8 | 190.8 |
| p_W | | 0.021 * | 0.386 | 0.248 | 0.083 |
| p_J | | | 0.510 | 0.262 | 0.207 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 114.3 | 170.9 | 124.8 | 136.7 | 130.6 |
| Median | 110.8 | 166.4 | 116.6 | 132.0 | 130.4 |
| Min | 107.1 | 153.7 | 107.1 | 114.5 | 114.5 |
| Max | 128.3 | 197.2 | 159.0 | 168.5 | 147.3 |
| p_W | | 0.021 * | 0.559 | 0.083 | 0.043 * |
| p_J | | | 0.661 | 0.513 | 0.572 |

Test No.: 943128

Test Article: CGA 329351 tech.

5.5. Urine analysis (statistics)

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05

JONCKHEERE: +- if p_J < 0.01

Urine analysis (statistics) : males

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| Rel dens (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.034 | 1.026 | 1.040 | 1.021 | 1.031 |
| Median | 1.030 | 1.023 | 1.042 | 1.021 | 1.028 |
| Min | 1.026 | 1.016 | 1.027 | 1.013 | 1.019 |
| Max | 1.049 | 1.041 | 1.049 | 1.032 | 1.047 |
| p_W | | 0.384 | 0.468 | 0.243 | 0.468 |
| p_J | | | 0.510 | 0.427 | 0.572 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.018 | 1.025 | 1.031 | 1.013 | 1.017 |
| Median | 1.016 | 1.028 | 1.029 | 1.013 | 1.020 |
| Min | 1.013 | 1.012 | 1.020 | 1.011 | 1.005 |
| Max | 1.028 | 1.032 | 1.045 | 1.017 | 1.023 |
| p_W | | 0.386 | 0.083 | 0.240 | 0.885 |
| p_J | | | 0.107 | 0.513 | 0.352 |
| week: 13 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.029 | 1.030 | 1.031 | 1.022 | 1.021 |
| Median | 1.031 | 1.029 | 1.029 | 1.022 | 1.020 |
| Min | 1.018 | 1.025 | 1.022 | 1.014 | 1.011 |
| Max | 1.034 | 1.036 | 1.042 | 1.029 | 1.032 |
| p_W | | 0.770 | 1.000 | 0.080 | 0.245 |
| p_J | | | 0.884 | 0.225 | 0.073 |
| pH (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.250 | 6.000 | 7.375 | 5.875 | 5.875 |
| Median | 6.000 | 6.000 | 7.250 | 5.750 | 6.000 |
| Min | 5.500 | 5.500 | 6.000 | 5.500 | 5.500 |
| Max | 7.500 | 6.500 | 9.000 | 6.500 | 6.000 |
| p_W | | 0.752 | 0.189 | 0.642 | 0.762 |
| p_J | | | 0.164 | 0.963 | 0.618 |

Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (statistics) : males

| Dose (ppm) | | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------|--------------|---------------|----------------|----------------|-----------------|
| week: 7 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 5.750 | 5.625 | 6.250 | 5.750 | 5.125 |
| | Median | 5.500 | 5.500 | 6.250 | 5.500 | 5.000 |
| | Min | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 |
| | Max | 7.000 | 6.500 | 7.500 | 7.000 | 5.500 |
| | p_W | | 1.000 | 0.457 | 1.000 | 0.321 |
| | p_J | | | 0.464 | 0.815 | 0.388 |
| week: 13 | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 6.188 | 6.250 | 6.375 | 6.125 | 6.000 |
| | Median | 6.250 | 6.250 | 6.250 | 6.250 | 6.000 |
| | Min | 5.750 | 6.000 | 6.000 | 5.500 | 6.000 |
| | Max | 6.500 | 6.500 | 7.000 | 6.500 | 6.000 |
| | p_W | | 0.752 | 0.544 | 0.877 | 0.505 |
| | p_J | | | 0.558 | 0.963 | 0.445 |

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Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05

JONCKHEERE: +- if p_J < 0.01

Urine analysis (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------|--------------|---------------|----------------|----------------|-----------------|
| Rel dens (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.039 | 1.024 | 1.021 | 1.027 | 1.023 |
| Median | 1.042 | 1.024 | 1.016 | 1.027 | 1.020 |
| Min | 1.021 | 1.016 | 1.010 | 1.013 | 1.014 |
| Max | 1.052 | 1.032 | 1.042 | 1.041 | 1.037 |
| p _W | | 0.191 | 0.083 | 0.248 | 0.149 |
| p _J | | | 0.048 | 0.161 | 0.153 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.020 | 1.022 | 1.025 | 1.016 | 1.016 |
| Median | 1.017 | 1.022 | 1.024 | 1.015 | 1.017 |
| Min | 1.015 | 1.019 | 1.019 | 1.010 | 1.008 |
| Max | 1.030 | 1.025 | 1.031 | 1.026 | 1.022 |
| p _W | | 0.248 | 0.149 | 0.386 | 0.564 |
| p _J | | | 0.124 | 0.815 | 0.370 |
| week: 13 N | 4 | 4 | 3 | 4 | 4 |
| Mean | 1.035 | 1.029 | 1.024 | 1.019 | 1.029 |
| Median | 1.034 | 1.026 | 1.016 | 1.019 | 1.032 |
| Min | 1.032 | 1.023 | 1.015 | 1.011 | 1.016 |
| Max | 1.039 | 1.039 | 1.041 | 1.027 | 1.036 |
| p _W | | 0.191 | 0.480 | 0.021 * | 0.468 |
| p _J | | | 0.157 | 0.021 | 0.237 |
| pH (1) | | | | | |
| week: -1 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.375 | 6.250 | 6.125 | 6.938 | 7.000 |
| Median | 6.500 | 6.250 | 6.000 | 6.500 | 7.000 |
| Min | 5.500 | 5.000 | 5.000 | 6.000 | 5.500 |
| Max | 7.000 | 7.500 | 7.500 | 8.750 | 8.500 |
| p _W | | 0.767 | 0.559 | 0.659 | 0.457 |
| p _J | | | 0.558 | 0.815 | 0.445 |
| week: 7 N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.875 | 6.375 | 6.500 | 6.250 | 6.750 |
| Median | 5.750 | 6.500 | 6.750 | 6.250 | 6.750 |
| Min | 5.500 | 5.000 | 5.000 | 5.000 | 5.500 |
| Max | 6.500 | 7.500 | 7.500 | 7.500 | 8.000 |
| p _W | | 0.766 | 0.306 | 0.557 | 0.180 |
| p _J | | | 0.558 | 0.709 | 0.370 |

Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (statistics) : females

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|------------|--------------|---------------|----------------|----------------|-----------------|
| week: 13 N | 4 | 4 | 3 | 4 | 4 |
| Mean | 6.500 | 6.625 | 7.667 | 7.750 | 6.750 |
| Median | 6.500 | 6.750 | 8.500 | 7.750 | 6.500 |
| Min. | 6.500 | 6.000 | 6.000 | 6.500 | 6.000 |
| Max | 6.500 | 7.000 | 8.500 | 9.000 | 8.000 |
| p_W | | 0.505 | 0.430 | 0.047 * | 1.000 |
| p_J | | | 0.279 | 0.064 | 0.452 |

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5.6. Organ weights and ratios (statistics)

5.6.1. Organ weights (statistics)

Statistical tests and flags used:
 WILCOXON: * if p_W < 0.05
 JONCKHEERE: +- if p_J < 0.01

Organ weights (statistics): males week 14

| Dose (ppm) | | group 1 | group 2 | group 3 | group 4 | group 5 |
|------------|--------|---------|---------|---------|---------|---------|
| | | 0 | 50 | 125 | 250 | 1250 |
| Body (kg) | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 10.31 | 10.44 | 10.89 | 10.78 | 10.36 |
| | Median | 10.31 | 10.30 | 10.83 | 10.81 | 9.880 |
| | Min | 9.960 | 10.18 | 10.30 | 10.26 | 9.660 |
| | Max | 10.64 | 10.96 | 11.60 | 11.24 | 12.00 |
| | p_W | | 0.564 | 0.248 | 0.149 | 0.248 |
| | p_J | | | 0.107 | 0.076 | 0.842 |
| Brain (g) | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 83.93 | 83.99 | 80.93 | 90.15 | 80.87 |
| | Median | 84.07 | 83.69 | 79.95 | 90.70 | 81.34 |
| | Min | 80.11 | 78.72 | 74.94 | 84.47 | 74.60 |
| | Max | 87.46 | 89.85 | 88.87 | 94.73 | 86.20 |
| | p_W | | 0.773 | 0.386 | 0.043 * | 0.386 |
| | p_J | | | 0.306 | 0.191 | 0.947 |
| Heart (g) | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 99.50 | 98.21 | 95.05 | 93.10 | 97.61 |
| | Median | 97.94 | 98.26 | 96.51 | 92.34 | 99.83 |
| | Min | 93.66 | 91.47 | 88.80 | 89.31 | 86.28 |
| | Max | 108.5 | 104.9 | 98.38 | 98.40 | 104.5 |
| | p_W | | 0.773 | 0.386 | 0.083 | 0.773 |
| | p_J | | | 0.380 | 0.112 | 0.388 |
| Liver (g) | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 325.4 | 343.6 | 349.4 | 336.5 | 407.1 |
| | Median | 318.2 | 334.7 | 354.6 | 339.7 | 397.2 |
| | Min | 304.8 | 317.6 | 308.3 | 321.9 | 380.3 |
| | Max | 360.5 | 387.3 | 379.8 | 344.8 | 453.7 |
| | p_W | | 0.248 | 0.248 | 0.248 | 0.021 * |
| | p_J | | | 0.242 | 0.304 | 0.006 + |

Organ weights (statistics): males week 14

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------------|--------------|---------------|----------------|----------------|-----------------|
| Kidney (both) | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 52.36 | 51.80 | 52.18 | 54.02 | 52.42 |
| Median | 51.09 | 51.57 | 52.44 | 56.10 | 50.19 |
| Min | 45.50 | 45.93 | 43.39 | 46.80 | 48.76 |
| Max | 61.78 | 58.14 | 60.44 | 57.07 | 60.52 |
| p_W | | 0.773 | 1.000 | 0.564 | 1.000 |
| p_J | | | 0.884 | 0.513 | 0.690 |
| Adrenal (both) | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.074 | 1.057 | 1.153 | 1.119 | 1.160 |
| Median | 1.079 | 1.057 | 1.153 | 1.120 | 1.170 |
| Min | 0.991 | 0.772 | 0.990 | 1.074 | 0.866 |
| Max | 1.149 | 1.343 | 1.315 | 1.160 | 1.433 |
| p_W | | 1.000 | 0.564 | 0.564 | 0.564 |
| p_J | | | 0.558 | 0.513 | 0.388 |
| Thymus | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 6.612 | 7.122 | 7.675 | 7.481 | 7.705 |
| Median | 6.156 | 6.767 | 8.192 | 7.158 | 8.114 |
| Min | 4.170 | 4.687 | 5.282 | 5.348 | 4.648 |
| Max | 9.965 | 10.27 | 9.035 | 10.26 | 9.945 |
| p_W | | 0.773 | 0.386 | 0.386 | 0.773 |
| p_J | | | 0.380 | 0.350 | 0.465 |
| Testis (both) | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 18.25 | 16.45 | 17.90 | 17.08 | 16.48 |
| Median | 17.31 | 17.48 | 17.92 | 17.13 | 16.37 |
| Min | 16.65 | 12.63 | 15.74 | 16.68 | 14.57 |
| Max | 21.73 | 18.21 | 20.01 | 17.39 | 18.64 |
| p_W | | 0.773 | 0.773 | 0.773 | 0.564 |
| p_J | | | 1.000 | 0.779 | 0.595 |
| Spleen | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 22.92 | 35.39 | 31.07 | 38.36 | 32.89 |
| Median | 21.98 | 37.96 | 28.47 | 34.32 | 29.72 |
| Min | 20.24 | 22.27 | 21.30 | 23.30 | 23.02 |
| Max | 27.48 | 43.35 | 46.06 | 61.50 | 49.09 |
| p_W | | 0.043 * | 0.248 | 0.043 * | 0.083 |
| p_J | | | 0.188 | 0.093 | 0.127 |

Statistical tests and flags used:
 WILCOXON: * if p_W < 0.05
 JONCKHEERE: +- if p_J < 0.01

Organ weights (statistics): females week 14

| Dose (ppm) | | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|--------------|--------|--------------|---------------|----------------|----------------|-----------------|
| Body (kg) | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 10.18 | 10.10 | 9.825 | 9.625 | 9.775 |
| | Median | 10.08 | 10.08 | 9.920 | 9.570 | 9.650 |
| | Min | 9.900 | 9.480 | 8.660 | 8.760 | 9.200 |
| | Max | 10.66 | 10.74 | 10.80 | 10.60 | 10.60 |
| | p_W | | 0.773 | 0.773 | 0.386 | 0.386 |
| | p_J | | | 0.558 | 0.304 | 0.273 |
| Brain (g) | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 83.32 | 83.40 | 81.74 | 81.36 | 82.54 |
| | Median | 84.43 | 81.94 | 79.15 | 81.24 | 80.15 |
| | Min | 77.15 | 76.02 | 75.21 | 75.09 | 76.71 |
| | Max | 87.29 | 93.68 | 93.44 | 87.86 | 93.14 |
| | p_W | | 1.000 | 0.386 | 0.773 | 0.564 |
| | p_J | | | 0.380 | 0.455 | 0.595 |
| Heart (g) | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 103.0 | 87.44 | 91.16 | 95.25 | 92.72 |
| | Median | 104.5 | 86.79 | 89.83 | 99.93 | 90.39 |
| | Min | 96.01 | 80.58 | 78.54 | 74.97 | 86.97 |
| | Max | 106.9 | 95.59 | 106.4 | 106.2 | 103.2 |
| | p_W | | 0.021 * | 0.149 | 0.386 | 0.043 * |
| | p_J | | | 0.079 | 0.304 | 0.288 |
| Liver (g) | N | 4 | 4 | 4 | 4 | 4 |
| | Mean | 302.9 | 288.8 | 297.5 | 293.7 | 387.3 |
| | Median | 301.6 | 282.2 | 293.5 | 297.6 | 392.6 |
| | Min | 277.7 | 251.7 | 278.6 | 250.3 | 338.9 |
| | Max | 330.6 | 339.2 | 324.4 | 329.4 | 425.2 |
| | p_W | | 0.564 | 0.773 | 0.386 | 0.021 * |
| | p_J | | | 0.884 | 0.641 | 0.084 |

Organ weights (statistics): females week 14

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------------|--------------|---------------|----------------|----------------|-----------------|
| Kidney (both) | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 48.86 | 48.18 | 40.67 | 43.15 | 47.01 |
| Median | 47.55 | 49.15 | 40.57 | 41.10 | 49.01 |
| Min | 44.12 | 42.78 | 37.60 | 40.51 | 38.00 |
| Max | 56.20 | 51.65 | 43.94 | 49.90 | 52.02 |
| p_W | | 0.773 | 0.021 * | 0.149 | 0.773 |
| p_J | | | 0.019 | 0.025 | 0.288 |
| Adrenal (both) | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.228 | 1.051 | 1.255 | 1.181 | 1.217 |
| Median | 1.201 | 1.072 | 1.276 | 1.195 | 1.165 |
| Min | 1.170 | 0.904 | 1.094 | 1.020 | 1.004 |
| Max | 1.341 | 1.156 | 1.375 | 1.315 | 1.536 |
| p_W | | 0.021 * | 0.564 | 0.564 | 0.386 |
| p_J | | | 0.884 | 1.000 | 0.894 |
| Thymus | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.680 | 7.465 | 9.256 | 8.584 | 7.168 |
| Median | 9.532 | 7.020 | 9.109 | 6.391 | 7.413 |
| Min | 6.947 | 6.145 | 7.585 | 4.222 | 5.004 |
| Max | 12.71 | 9.676 | 11.22 | 17.33 | 8.844 |
| p_W | | 0.149 | 0.773 | 0.386 | 0.386 |
| p_J | | | 0.884 | 0.350 | 0.259 |
| Ovary (both) | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.880 | 0.717 | 1.409 | 1.290 | 1.172 |
| Median | 0.818 | 0.748 | 0.932 | 0.846 | 0.901 |
| Min | 0.675 | 0.525 | 0.824 | 0.794 | 0.541 |
| Max | 1.211 | 0.846 | 2.949 | 2.672 | 2.346 |
| p_W | | 0.386 | 0.248 | 0.386 | 0.564 |
| p_J | | | 0.242 | 0.225 | 0.232 |
| Spleen | | | | | |
| (g) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 46.68 | 29.93 | 43.22 | 29.77 | 34.10 |
| Median | 46.24 | 26.96 | 43.36 | 29.73 | 30.27 |
| Min | 28.20 | 18.70 | 23.53 | 24.59 | 22.24 |
| Max | 66.05 | 47.11 | 62.62 | 35.03 | 53.63 |
| p_W | | 0.083 | 0.773 | 0.083 | 0.248 |
| p_J | | | 0.558 | 0.191 | 0.232 |

Organ weights (statistics): females week 14

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-------------------|--------------|---------------|----------------|----------------|-----------------|
| Thyroid gland (g) | | | | | |
| N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.770 | 0.897 | 0.741 | 0.757 | 0.766 |
| Median | 0.699 | 0.847 | 0.711 | 0.713 | 0.793 |
| Min | 0.565 | 0.704 | 0.595 | 0.581 | 0.609 |
| Max | 1.117 | 1.191 | 0.946 | 1.020 | 0.870 |
| p_W | | 0.386 | 0.773 | 1.000 | 0.663 |
| p_J | | | 1.000 | 0.779 | 0.974 |

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5.6.2. Organ to body weight ratios (statistics)

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05
 JONCKHEERE: +- if p_J < 0.01

Organ to body weight ratios (statistics): males week 14

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------------------|--------------|---------------|----------------|----------------|-----------------|
| Brain (o/oo) | | | | | |
| N | 4 | 4 | 4 | 4 | 4 |
| Mean | 8.146 | 8.055 | 7.440 | 8.364 | 7.843 |
| Median | 8.163 | 7.962 | 7.625 | 8.411 | 7.893 |
| Min | 7.917 | 7.589 | 6.691 | 8.022 | 7.183 |
| Max | 8.340 | 8.706 | 7.818 | 8.612 | 8.403 |
| p _W | | 0.564 | 0.021 * | 0.386 | 0.564 |
| p _J | | | 0.028 | 0.926 | 0.690 |
| Heart (o/oo) | | | | | |
| N | 4 | 4 | 4 | 4 | 4 |
| Mean | 9.653 | 9.416 | 8.742 | 8.637 | 9.465 |
| Median | 9.544 | 9.233 | 8.488 | 8.721 | 9.355 |
| Min | 9.253 | 8.898 | 8.481 | 8.354 | 8.636 |
| Max | 10.27 | 10.30 | 9.511 | 8.754 | 10.52 |
| p _W | | 0.386 | 0.083 | 0.021 * | 0.773 |
| p _J | | | 0.040 | 0.007 | 0.207 |
| Liver (o/oo) | | | | | |
| N | 4 | 4 | 4 | 4 | 4 |
| Mean | 31.57 | 32.99 | 32.12 | 31.25 | 39.41 |
| Median | 31.20 | 32.65 | 31.92 | 30.57 | 38.50 |
| Min | 29.98 | 28.98 | 29.09 | 30.27 | 37.81 |
| Max | 33.88 | 37.68 | 35.55 | 33.61 | 42.85 |
| p _W | | 0.773 | 1.000 | 1.000 | 0.021 * |
| p _J | | | 0.884 | 0.852 | 0.046 |
| Kidney (both) (o/oo) | | | | | |
| N | 4 | 4 | 4 | 4 | 4 |
| Mean | 5.080 | 4.979 | 4.793 | 5.014 | 5.062 |
| Median | 5.102 | 5.006 | 4.782 | 5.083 | 5.045 |
| Min | 4.309 | 4.191 | 4.213 | 4.407 | 4.990 |
| Max | 5.806 | 5.711 | 5.396 | 5.483 | 5.169 |
| p _W | | 0.564 | 0.564 | 1.000 | 1.000 |
| p _J | | | 0.558 | 0.852 | 0.894 |

Test No.: 943128

Test Article: CGA 329351 tech.

Organ to body weight ratios (statistics): males week 14

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|-----------------------|--------------|---------------|----------------|----------------|-----------------|
| Adrenal (both) | | | | | |
| (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.104 | 0.101 | 0.106 | 0.104 | 0.112 |
| Median | 0.104 | 0.099 | 0.107 | 0.104 | 0.115 |
| Min | 0.094 | 0.076 | 0.096 | 0.098 | 0.087 |
| Max | 0.115 | 0.131 | 0.113 | 0.111 | 0.129 |
| p_W | | 0.773 | 1.000 | 1.000 | 0.386 |
| p_J | | | 0.884 | 0.926 | 0.425 |
| Thymus | | | | | |
| (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.645 | 0.678 | 0.704 | 0.690 | 0.754 |
| Median | 0.593 | 0.657 | 0.733 | 0.663 | 0.766 |
| Min | 0.395 | 0.460 | 0.505 | 0.521 | 0.481 |
| Max | 1.001 | 0.937 | 0.843 | 0.913 | 1.001 |
| p_W | | 1.000 | 0.564 | 0.564 | 0.564 |
| p_J | | | 0.661 | 0.575 | 0.352 |
| Testis (both) | | | | | |
| (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 1.769 | 1.576 | 1.646 | 1.587 | 1.597 |
| Median | 1.722 | 1.649 | 1.657 | 1.604 | 1.508 |
| Min | 1.590 | 1.240 | 1.435 | 1.484 | 1.472 |
| Max | 2.042 | 1.765 | 1.834 | 1.655 | 1.898 |
| p_W | | 0.248 | 0.386 | 0.149 | 0.149 |
| p_J | | | 0.464 | 0.262 | 0.163 |
| Spleen | | | | | |
| (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 2.221 | 3.380 | 2.840 | 3.591 | 3.121 |
| Median | 2.144 | 3.558 | 2.744 | 3.228 | 3.024 |
| Min | 2.012 | 2.188 | 1.902 | 2.118 | 2.344 |
| Max | 2.583 | 4.217 | 3.971 | 5.791 | 4.091 |
| p_W | | 0.083 | 0.386 | 0.149 | 0.083 |
| p_J | | | 0.380 | 0.225 | 0.232 |
| Thyroid gland | | | | | |
| (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.076 | 0.083 | 0.088 | 0.084 | 0.091 |
| Median | 0.075 | 0.084 | 0.087 | 0.080 | 0.090 |
| Min | 0.071 | 0.063 | 0.072 | 0.072 | 0.078 |
| Max | 0.081 | 0.101 | 0.109 | 0.103 | 0.106 |
| p_W | | 0.773 | 0.248 | 0.248 | 0.043 * |
| p_J | | | 0.306 | 0.304 | 0.111 |

Test No.: 943128

Test Article: CGA 329351 tech.

Statistical tests and flags used:

WILCOXON: * if p_W < 0.05

JONCKHEERE: +- if p_J < 0.01

Organ to body weight ratios (statistics): females week 14

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------|--------------|---------------|----------------|----------------|-----------------|
| Brain | | | | | |
| (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 8.184 | 8.255 | 8.327 | 8.474 | 8.443 |
| Median | 8.270 | 8.114 | 8.301 | 8.503 | 8.540 |
| Min | 7.777 | 7.886 | 7.931 | 7.892 | 7.907 |
| Max | 8.417 | 8.905 | 8.774 | 8.999 | 8.787 |
| p_W | | 1.000 | 0.564 | 0.386 | 0.386 |
| p_J | | | 0.770 | 0.401 | 0.288 |
| Heart | | | | | |
| (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 10.12 | 8.680 | 9.273 | 9.939 | 9.496 |
| Median | 10.10 | 8.898 | 9.115 | 9.660 | 9.702 |
| Min | 9.698 | 7.660 | 8.611 | 8.312 | 8.645 |
| Max | 10.58 | 9.265 | 10.25 | 12.12 | 9.933 |
| p_W | | 0.021 * | 0.083 | 0.564 | 0.149 |
| p_J | | | 0.107 | 0.455 | 0.642 |
| Liver | | | | | |
| (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 29.77 | 28.55 | 30.36 | 30.45 | 39.72 |
| Median | 29.07 | 27.93 | 30.35 | 30.92 | 38.01 |
| Min | 27.59 | 26.11 | 28.44 | 28.57 | 36.83 |
| Max | 33.33 | 32.24 | 32.32 | 31.41 | 46.02 |
| p_W | | 0.564 | 0.564 | 0.386 | 0.021 * |
| p_J | | | 0.464 | 0.262 | 0.003 + |
| Kidney (both) | | | | | |
| (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.813 | 4.782 | 4.151 | 4.496 | 4.815 |
| Median | 4.724 | 4.622 | 4.154 | 4.572 | 4.747 |
| Min | 4.139 | 4.438 | 3.953 | 3.908 | 4.113 |
| Max | 5.665 | 5.448 | 4.342 | 4.931 | 5.654 |
| p_W | | 0.773 | 0.083 | 0.564 | 1.000 |
| p_J | | | 0.028 | 0.191 | 0.790 |

Test No.: 943128

Test Article: CGA 329351 tech.

Organ to body weight ratios (statistics): females week 14

| Dose (ppm) | group 1 0 | group 2 50 | group 3 125 | group 4 250 | group 5 1250 |
|----------------------------|--------------|---------------|----------------|----------------|-----------------|
| Adrenal (both) (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.121 | 0.104 | 0.128 | 0.123 | 0.124 |
| Median | 0.119 | 0.101 | 0.124 | 0.123 | 0.118 |
| Min | 0.114 | 0.095 | 0.119 | 0.113 | 0.109 |
| Max | 0.131 | 0.120 | 0.145 | 0.133 | 0.153 |
| p_W | | 0.083 | 0.248 | 1.000 | 0.773 |
| p_J | | | 0.464 | 0.401 | 0.507 |
| Thymus (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.946 | 0.737 | 0.941 | 0.873 | 0.729 |
| Median | 0.921 | 0.714 | 0.942 | 0.720 | 0.768 |
| Min | 0.702 | 0.619 | 0.802 | 0.417 | 0.544 |
| Max | 1.241 | 0.901 | 1.081 | 1.635 | 0.834 |
| p_W | | 0.248 | 0.773 | 0.564 | 0.248 |
| p_J | | | 0.661 | 0.852 | 0.352 |
| Ovary (both) (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.087 | 0.072 | 0.141 | 0.130 | 0.119 |
| Median | 0.081 | 0.075 | 0.099 | 0.095 | 0.092 |
| Min | 0.063 | 0.049 | 0.084 | 0.079 | 0.059 |
| Max | 0.122 | 0.088 | 0.284 | 0.252 | 0.233 |
| p_W | | 0.564 | 0.248 | 0.248 | 0.773 |
| p_J | | | 0.242 | 0.112 | 0.259 |
| Spleen (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 4.547 | 2.942 | 4.352 | 3.071 | 3.445 |
| Median | 4.571 | 2.658 | 4.561 | 3.056 | 3.156 |
| Min | 2.848 | 1.973 | 2.487 | 2.733 | 2.407 |
| Max | 6.196 | 4.478 | 5.798 | 3.439 | 5.059 |
| p_W | | 0.149 | 0.773 | 0.083 | 0.248 |
| p_J | | | 1.000 | 0.455 | 0.465 |
| Thyroid gland (o/oo) N | 4 | 4 | 4 | 4 | 4 |
| Mean | 0.076 | 0.088 | 0.075 | 0.078 | 0.078 |
| Median | 0.069 | 0.084 | 0.075 | 0.076 | 0.082 |
| Min | 0.053 | 0.073 | 0.063 | 0.064 | 0.066 |
| Max | 0.113 | 0.111 | 0.088 | 0.096 | 0.083 |
| p_W | | 0.386 | 0.564 | 0.773 | 0.386 |
| p_J | | | 0.884 | 1.000 | 0.894 |

6. APPENDIX B: INDIVIDUAL DATA

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Test No.: 943128

Test Article: CGA 329351 tech.

6.1. Identification of the animals, age and body weight at week -1

| GROUP DOSE | M A L E S | | | | F E M A L E S | | | |
|-------------------------|------------|---------------|--------------|------------------|---------------|---------------|--------------|------------------|
| | DOG NO. | TATTOO NO. | AGE WEEKS | BODYWEIGHT kg | DOG NO. | TATTOO NO. | AGE WEEKS | BODYWEIGHT kg |
| GROUP 1 0 ppm | 1 | 1995 | 28 | 10.0 | 21 | 5802 | 30 | 10.1 |
| | 2 | 1005 | 28 | 9.9 | 22 | 6572 | 30 | 10.5 |
| | 3 | 2131 | 25 | 10.8 | 23 | 2858 | 31 | 9.2 |
| | 4 | 3069 | 24 | 8.7 | 24 | 1022 | 30 | 10.2 |
| GROUP 2 50 ppm | 5 | 1991 | 28 | 9.9 | 25 | 2876 | 28 | 9.7 |
| | 6 | 3065 | 26 | 9.2 | 26 | 6576 | 29 | 10.5 |
| | 7 | 2129 | 26 | 9.9 | 27 | 1034 | 29 | 9.8 |
| | 8 | 1011 | 24 | 9.1 | 28 | 1020 | 30 | 9.8 |
| GROUP 3 125 ppm | 9 | 3061 | 26 | 10.2 | 29 | 5798 | 30 | 9.0 |
| | 10 | 1003 | 28 | 9.8 | 30 | 6568 | 30 | 11.1 |
| | 11 | 5679 | 26 | 10.6 | 31 | 1012 | 33 | 10.3 |
| | 12 | 1007 | 24 | 9.1 | 32 | 1001 | 28 | 8.8 |
| GROUP 4 250 ppm | 13 | 1985 | 28 | 10.1 | 33 | 5800 | 30 | 9.1 |
| | 14 | 1999 | 28 | 10.3 | 34 | 6570 | 30 | 9.8 |
| | 15 | 1019 | 24 | 10.4 | 35 | 1036 | 29 | 10.5 |
| | 16 | 6325 | 24 | 9.5 | 36 | 3978 | 30 | 8.7 |
| GROUP 5 1250 ppm | 17 | 3067 | 25 | 8.9 | 37 | 1032 | 30 | 9.6 |
| | 18 | 2880 | 28 | 9.4 | 38 | 6574 | 30 | 10.6 |
| | 19 | 5677 | 26 | 11.1 | 39 | 1038 | 29 | 9.8 |
| | 20 | 1009 | 24 | 8.9 | 40 | 3982 | 30 | 8.9 |

MEAN AGE MALES = 26 WEEKS

MEAN AGE FEMALES = 30 WEEKS

MEAN WEIGHT MALES = 9.8 kg

MEAN WEIGHT FEMALES = 9.8 kg

Test No.: 943128

Test Article: CGA 329351 tech.

6.2. Mortality (individuals)**Mortality (individuals) : males** group 1 : 0 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 1 | 23 Feb 95 | 14 | 95 | yes | Sacrifice 1 |
| 2 | 23 Feb 95 | 14 | 95 | yes | Sacrifice 1 |
| 3 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 4 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |

Mortality (individuals) : males group 2 : 50 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 5 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 6 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 7 | 23 Feb 95 | 14 | 95 | yes | Sacrifice 1 |
| 8 | 23 Feb 95 | 14 | 95 | yes | Sacrifice 1 |

Mortality (individuals) : males group 3 : 125 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 9 | 23 Feb 95 | 14 | 95 | yes | Sacrifice 1 |
| 10 | 23 Feb 95 | 14 | 95 | yes | Sacrifice 1 |
| 11 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 12 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |

Test No.: 943128

Test Article: CGA 329351 tech.

Mortality (individuals) : males group 4 : 250 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 13 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |
| 14 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |
| 15 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |
| 16 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |

Mortality (individuals) : males group 5 : 1250 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 17 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |
| 18 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |
| 19 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |
| 20 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |

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Mortality (individuals) : females group 1 : 0 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 21 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 22 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 23 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |
| 24 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |

Mortality (individuals) : females group 2 : 50 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 25 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |
| 26 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |
| 27 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 28 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |

Mortality (individuals) : females group 3 : 125 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 29 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |
| 30 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |
| 31 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |
| 32 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |

Mortality (individuals) : females group 4 : 250 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 33 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |
| 34 | 20 Feb 95 | 14 | 92 | yes | Sacrifice 1 |
| 35 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |
| 36 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |

Test No.: 943128

Test Article: CGA 329351 tech.

Mortality (individuals) : females group 5 : 1250 ppm

| Animal number | date of death | study week | study day | necropsy | type of death |
|---------------|---------------|------------|-----------|----------|---------------|
| 37 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 38 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 39 | 21 Feb 95 | 14 | 93 | yes | Sacrifice 1 |
| 40 | 22 Feb 95 | 14 | 94 | yes | Sacrifice 1 |

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Test No.: 943128

Test Article: CGA 329351 tech.

6.3. In-life observations (individuals)

6.3.1. Vomiting and diarrhea

Explanation of signs

- 0 normal feces
- 1 slight diarrhea
- 2 moderate diarrhea
- * vomiting

Vomiting and diarrhea, males

| WEEK | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| DAYS | MIWIFSS | MIWIFSS | MIWIFSS | MIWIFSS | MIWIFSS | MIWIFSS | MIWIFSS | MIWIFSS |
| GROUP 1 | | | | | | | | |
| 1+2 | 0000001 | 1000100 | 1100100 | 1011111 | 1111111 | 1111000 | 1111111 | 1001111 |
| 3+4 | 0000000 | 0000000 | 0000000 | 0000011 | 0100000 | 0010000 | 0000000 | 0000000 |
| GROUP 2 | | | | | | | | |
| 5+6 | 1111111 | 1111111 | 1110111 | 1111111 | 1111101 | 1111111 | 1111111 | 2111111 |
| 7+8 | 1111111 | 1100100 | 1000100 | 1010111 | 1110100 | 0111110 | 0010110 | 1101001 |
| GROUP 3 | | | | | | | | |
| 9+10 | 1000000 | 0000000 | 0000000 | 0000000 | 0000000 | 0101000 | 0000011 | 1100000 |
| 11+12 | 0000100 | 0100100 | 0100000 | 0011110 | 1100100 | 0000100 | 0002110 | 1000000 |
| GROUP 4 | | | | | | | | |
| 13+14 | 1100111 | 1111100 | 0010000 | 0010011 | 1110101 | 1111111 | 1212111 | 1112221 |
| 15+16 | 0010011 | 0000000 | 0000000 | 0000000 | 0000000 | 0011000 | 0000000 | 0100000 |
| GROUP 5 | | | | | | | | |
| 17+18 | 1101111 | 1011110 | 1101110 | 1011111 | 1111211 | 1111111 | 0111111 | 1101000 |
| 19+20 | 0000100 | 1011111 | 2210111 | 0000100 | 0100100 | 1000000 | 0102011 | 2111111 |

Vomiting and diarrhea, males (continued)

| WEEK | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| DAYS | MTWTFSS | MTWTFSS | MTWTFSS | MTWTFSS | MTWTFSS | MTWTFSS | MTWTFSS |
| GROUP 1 | | | | | | | |
| 1+2 | 1111111 | 1111111 | 1111111 | 1111111 | 1111110 | 1110011 | 1111 |
| 3+4 | 0000000 | 0000000 | 0000000 | 0001011 | 0000110 | 0100000 | 0 |
| GROUP 2 | | | | | | | |
| 5+6 | 1111111 | 1111111 | 1111111 | 1111111 | 1110100 | 0111111 | 11 |
| 7+8 | 0000100 | 0110001 | 0011110 | 1111111 | 1111111 | 0100011 | 0111 |
| GROUP 3 | | | | | | | |
| 9+10 | 0000000 | 0110000 | 0000000 | 0001111 | 0010000 | 0000000 | 0000 |
| 11+12 | 0000000 | 0011000 | 0000000 | 0000000 | 0110000 | 0001101 | 10 |
| GROUP 4 | | | | | | | |
| 13+14 | 1111111 | 0000000 | 0000000 | 1110110 | 0011111 | 0001001 | 01 |
| 15+16 | 0000000 | 0000000 | 0000000 | 0000011 | 0110000 | 0100000 | 011 |
| GROUP 5 | | | | | | | |
| 17+18 | 0111111 | 1111111 | 1121111 | 1111111 | 1111111 | 1111111 | 1111 |
| 19+20 | 1100001 | 0000100 | 1011000 | 0010110 | 1011100 | 1101100 | 0 |

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Test Article: CGA 329351 tech.

Vomiting and diarrhea, females

| WEEK | -1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|
| DAYS | MTWIFSS | MTWIFSS | MTWIFSS | MTWIFSS | MTWIFSS | MTWIFSS | MTWIFSS | MTWIFSS |
| GROUP1 | | | | | | | | |
| 21+22 | 11111111 | 11112111 | 11111111 | 01111111 | 11111111 | 11111111 | 11111111 | 11111111 |
| 23+24 | 1010000 | 0000000 | 1000110 | 0000000 | 0101000 | 1110000 | 0001000 | 0000111 |
| GROUP2 | | | | | | | | |
| 25+26 | 0101100 | 2110100 | 1000000 | 1000000 | 0100000 | 0011000 | 1111110 | 1001011 |
| 27+28 | 0001011 | 0010000 | 0000000 | 1000000 | 0000000 | 0000000 | 2110000 | 0000000 |
| GROUP3 | | | | | | | | |
| 29+30 | 0000000 | 1010100 | 0101000 | 1100000 | 1000111 | 1000111 | 0000101 | 0111111 |
| 31+32 | 0111111 | 1110100 | 0000000 | 0111011 | 1111111 | 1111001 | 1111111 | 1111111 |
| GROUP4 | | | | | | | | |
| 33+34 | 1111111 | 0010100 | 1011010 | 1100001 | 1010000 | 1101011 | 0000111 | 1100011 |
| 35+36 | 0000011 | 0100000 | 0010011 | 1111111 | 1111111 | 1111111 | 1111111 | 1211111 |
| GROUP5 | | | | | | | | |
| 37+38 | 1010000 | 0010100 | 0000111 | 1111111 | 1111111 | 1101000 | 1102111 | 1111111 |
| 39+40 | 1110111 | 0111110 | 1111111 | 1011111 | 1110111 | 1101001 | 1212211 | 2111111 |

For explanation of signs see page 200

Test No.: 943128

Test Article: CGA 329351 tech.

Vomiting and diarrhea, females (continued)

| WEEK | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| DAYS | MTWTFSS | MTWTFSS | MTWTFSS | MTWTFSS | MTWTFSS | MTWTFSS | MTWTFSS |
| GROUP 1 | | | | | | | |
| 21+22 | 1111111 | 1111111 | 1111111 | 1111111 | 1111111 | 1111111 | 11 |
| 23+24 | 1111111 | 0010000 | 0000111 | 1110011 | 1000100 | 1011111 | 1 |
| GROUP 2 | | | | | | | |
| 25+26 | 0000000 | 0000000 | 1010001 | 1000011 | 0001100 | 1011010 | 011 |
| 27+28 | 0000000 | 0100000 | 0010000 | 0000101 | 1110000 | 0000000 | 00 |
| GROUP 3 | | | | | | | |
| 29+30 | 1100000 | 0110000 | 0100100 | 0000000 | 0000000 | 0011000 | 0 |
| 31+32 | 1121111 | 1111111 | 1111110 | 0111111 | 1111100 | 0100101 | 111 |
| 31 | | | | | | | |
| GROUP 4 | | | | | | | |
| 33+34 | 1111111 | 0111111 | 1211111 | 1111111 | 0011110 | 1110010 | 1 |
| 34 | | | | | | | |
| 35+36 | 0111011 | 1011111 | 1110000 | 0110011 | 1111000 | 1111111 | 011 |
| GROUP 5 | | | | | | | |
| 37+38 | 1000000 | 0000000 | 0111001 | 1101001 | 0111100 | 1110111 | 11 |
| 37 | | | | | | | |
| 39+40 | 1111111 | 1111110 | 1111011 | 1110111 | 0111000 | 1111111 | 11 |
| * | | | | | | | |
| 40 | | | | | | | 1 |

For explanation of signs see page 200

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Test Article: CGA 329351 tech.

6.3.2. Clinical signs

Clinical observations, males

| Group | Animal nos. | Week | Observation |
|-------|-------------|------|-----------------------|
| 1 | 1 | 2- 7 | Hair loss on the back |
| | 2 | 1-13 | nrcso |
| | 3, 4 | 1-13 | nrcso |
| 2 | 5, 6 | 1-13 | nrcso |
| | 7, 8 | 1-13 | nrcso |
| 3 | 9,10 | 1-13 | nrcso |
| | 11,12 | 1-13 | nrcso |
| 4 | 13,14 | 1-13 | nrcso |
| | 15,16 | 1-13 | nrcso |
| 5 | 17,18 | 1-13 | nrcso |
| | 19,20 | 1-13 | nrcso |

nrcso = no relevant clinical signs observed

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Test Article: CGA 329351 tech.

Clinical observations, females

| Group | Animal nos. | Week | Observation |
|-------|-------------|------|---|
| 1 | 21,22 | 1-13 | nrcso |
| | 23,24 | 1-13 | nrcso |
| 2 | 25,26 | 1-13 | nrcso |
| | 27 | 7 | Wounds on the neck and back of the neck visible, induced by the the neckchain |
| | 28 | 8-13 | Scab formation |
| 3 | 29,30 | 1-13 | nrcso |
| | 31,32 | 1-13 | nrcso |
| 4 | 33,34 | 1-13 | nrcso |
| | 35,36 | 1-13 | nrcso |
| 5 | 37,38 | 1-13 | nrcso |
| | 39,40 | 1-13 | nrcso |

nrcso = no relevant clinical signs observed

Test No.: 943128

Test Article: CGA 329351 tech.

6.4. Body weight (individuals)

Body weight (individuals) : males group 1 : 0 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 1 | 2 | 3 | 4 |
| -1 | 10.00 | 9.900 | 10.80 | 8.700 |
| 1 | 10.20 | 10.00 | 10.80 | 8.800 |
| 2 | 10.20 | 10.10 | 10.70 | 9.000 |
| 3 | 10.40 | 10.30 | 10.80 | 9.200 |
| 4 | 10.70 | 10.40 | 11.00 | 9.400 |
| 5 | 10.70 | 10.60 | 11.10 | 9.600 |
| 6 | 10.80 | 10.70 | 11.10 | 9.700 |
| 7 | 10.90 | 10.70 | 11.30 | 9.900 |
| 8 | 10.90 | 11.00 | 11.30 | 10.00 |
| 9 | 11.00 | 11.10 | 11.20 | 10.20 |
| 10 | 11.10 | 11.10 | 11.30 | 10.20 |
| 11 | 11.20 | 11.10 | 11.40 | 10.30 |
| 12 | 11.00 | 11.00 | 11.30 | 10.50 |
| 13 | 10.90 | 11.10 | 11.50 | 10.60 |

Body weight (individuals) : males group 2 : 50 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 5 | 6 | 7 | 8 |
| -1 | 9.900 | 9.200 | 9.900 | 9.100 |
| 1 | 9.900 | 9.400 | 10.10 | 9.300 |
| 2 | 9.900 | 9.400 | 10.10 | 9.400 |
| 3 | 10.10 | 9.500 | 10.30 | 9.600 |
| 4 | 10.20 | 9.800 | 10.40 | 9.800 |
| 5 | 10.50 | 10.20 | 10.60 | 10.10 |
| 6 | 10.60 | 10.20 | 10.70 | 10.20 |
| 7 | 10.60 | 10.40 | 10.90 | 10.30 |
| 8 | 10.60 | 10.60 | 11.00 | 10.50 |
| 9 | 10.80 | 10.70 | 11.20 | 10.60 |
| 10 | 10.90 | 10.70 | 11.30 | 10.70 |
| 11 | 10.90 | 10.90 | 11.40 | 10.70 |
| 12 | 11.00 | 10.90 | 11.50 | 10.80 |
| 13 | 10.80 | 10.90 | 11.50 | 10.90 |

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Test Article: CGA 329351 tech.

Body weight (individuals) : males group 3 : 125 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 9 | 10 | 11 | 12 |
| -1 | 10.20 | 9.800 | 10.60 | 9.100 |
| 1 | 10.40 | 10.20 | 10.80 | 9.400 |
| 2 | 10.50 | 9.900 | 10.90 | 9.400 |
| 3 | 10.70 | 10.20 | 11.10 | 9.600 |
| 4 | 10.80 | 10.40 | 11.30 | 9.700 |
| 5 | 11.10 | 10.40 | 11.70 | 10.10 |
| 6 | 11.20 | 10.50 | 11.70 | 10.20 |
| 7 | 11.40 | 10.50 | 11.70 | 10.30 |
| 8 | 11.50 | 10.70 | 11.90 | 10.40 |
| 9 | 11.60 | 10.70 | 12.10 | 10.60 |
| 10 | 11.80 | 10.80 | 12.10 | 10.70 |
| 11 | 11.90 | 10.90 | 12.20 | 10.80 |
| 12 | 11.90 | 10.90 | 12.30 | 10.90 |
| 13 | 11.90 | 10.90 | 12.20 | 10.80 |

Body weight (individuals) : males group 4 : 250 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 13 | 14 | 15 | 16 |
| -1 | 10.10 | 10.30 | 10.40 | 9.500 |
| 1 | 10.30 | 10.50 | 10.50 | 9.900 |
| 2 | 10.30 | 10.60 | 10.70 | 9.900 |
| 3 | 10.30 | 10.70 | 10.90 | 10.30 |
| 4 | 10.40 | 10.80 | 11.20 | 10.50 |
| 5 | 10.70 | 11.00 | 11.30 | 10.80 |
| 6 | 10.70 | 11.10 | 11.50 | 11.10 |
| 7 | 10.90 | 11.00 | 11.70 | 11.00 |
| 8 | 11.00 | 11.30 | 11.70 | 11.30 |
| 9 | 11.10 | 11.20 | 11.90 | 11.70 |
| 10 | 11.00 | 11.30 | 11.90 | 11.60 |
| 11 | 10.90 | 11.40 | 12.00 | 11.60 |
| 12 | 10.90 | 11.20 | 11.80 | 11.70 |
| 13 | 10.90 | 11.30 | 12.10 | 11.70 |

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Body weight (individuals) : males group 5 : 1250 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 17 | 18 | 19 | 20 |
| -1 | 8.900 | 9.400 | 11.10 | 8.900 |
| 1 | 9.100 | 9.400 | 11.20 | 8.900 |
| 2 | 9.300 | 9.600 | 11.30 | 8.900 |
| 3 | 9.400 | 9.800 | 11.50 | 9.200 |
| 4 | 9.600 | 10.00 | 11.60 | 9.400 |
| 5 | 9.800 | 10.10 | 11.90 | 9.700 |
| 6 | 10.00 | 10.20 | 11.90 | 9.900 |
| 7 | 10.10 | 10.30 | 12.00 | 9.900 |
| 8 | 10.30 | 10.40 | 12.10 | 10.10 |
| 9 | 10.40 | 10.40 | 12.20 | 10.30 |
| 10 | 10.60 | 10.40 | 12.40 | 10.20 |
| 11 | 10.60 | 10.40 | 12.50 | 10.40 |
| 12 | 10.40 | 10.30 | 12.50 | 10.40 |
| 13 | 10.50 | 10.30 | 12.40 | 10.50 |

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Body weight (individuals) : females group 1 : 0 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 21 | 22 | 23 | 24 |
| -1 | 10.10 | 10.50 | 9.200 | 10.20 |
| 1 | 10.20 | 10.70 | 9.400 | 10.40 |
| 2 | 10.20 | 10.50 | 9.300 | 10.40 |
| 3 | 10.40 | 10.60 | 9.500 | 10.50 |
| 4 | 10.50 | 10.80 | 9.500 | 10.50 |
| 5 | 10.60 | 11.00 | 9.700 | 10.70 |
| 6 | 10.70 | 11.10 | 9.900 | 10.80 |
| 7 | 10.70 | 11.10 | 9.900 | 11.00 |
| 8 | 10.70 | 11.10 | 10.00 | 11.10 |
| 9 | 10.70 | 11.20 | 10.20 | 11.20 |
| 10 | 10.70 | 11.20 | 10.20 | 11.10 |
| 11 | 10.80 | 11.20 | 10.20 | 11.20 |
| 12 | 10.80 | 11.10 | 10.20 | 11.30 |
| 13 | 10.80 | 11.10 | 10.20 | 11.40 |

Body weight (individuals) : females group 2 : 50 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 25 | 26 | 27 | 28 |
| -1 | 9.700 | 10.50 | 9.800 | 9.800 |
| 1 | 9.500 | 10.70 | 10.00 | 10.20 |
| 2 | 9.700 | 10.70 | 9.900 | 10.10 |
| 3 | 9.800 | 10.80 | 10.10 | 10.20 |
| 4 | 9.900 | 10.90 | 10.10 | 10.40 |
| 5 | 10.20 | 10.90 | 10.20 | 10.70 |
| 6 | 10.10 | 11.10 | 10.30 | 10.40 |
| 7 | 10.30 | 11.20 | 10.20 | 10.80 |
| 8 | 10.30 | 11.40 | 10.30 | 11.00 |
| 9 | 10.30 | 11.30 | 10.30 | 11.20 |
| 10 | 10.40 | 11.40 | 10.20 | 11.10 |
| 11 | 10.40 | 11.40 | 10.20 | 11.10 |
| 12 | 10.40 | 11.40 | 10.30 | 11.20 |
| 13 | 10.40 | 11.30 | 10.20 | 11.20 |

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Body weight (individuals) : females group 3 : 125 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 29 | 30 | 31 | 32 |
| -1 | 9.000 | 11.10 | 10.30 | 8.800 |
| 1 | 9.200 | 11.20 | 10.40 | 9.000 |
| 2 | 9.100 | 11.00 | 10.40 | 9.100 |
| 3 | 9.100 | 11.20 | 10.40 | 9.300 |
| 4 | 9.300 | 11.40 | 10.60 | 9.400 |
| 5 | 9.300 | 11.50 | 10.60 | 9.600 |
| 6 | 9.300 | 11.50 | 10.60 | 9.700 |
| 7 | 9.300 | 11.50 | 10.70 | 9.800 |
| 8 | 9.300 | 11.50 | 10.70 | 9.900 |
| 9 | 9.300 | 11.50 | 10.90 | 10.00 |
| 10 | 9.100 | 11.40 | 10.80 | 10.00 |
| 11 | 9.100 | 11.50 | 10.90 | 10.00 |
| 12 | 9.200 | 11.60 | 11.10 | 10.20 |
| 13 | 9.300 | 11.50 | 11.10 | 10.20 |

Body weight (individuals) : females group 4 : 250 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 33 | 34 | 35 | 36 |
| -1 | 9.100 | 9.800 | 10.50 | 8.700 |
| 1 | 8.900 | 10.00 | 10.60 | 8.800 |
| 2 | 9.000 | 10.20 | 10.60 | 8.800 |
| 3 | 9.200 | 10.40 | 10.70 | 8.900 |
| 4 | 9.400 | 10.20 | 10.90 | 9.100 |
| 5 | 9.600 | 10.70 | 10.90 | 9.200 |
| 6 | 9.600 | 10.80 | 11.00 | 9.200 |
| 7 | 9.600 | 10.90 | 11.10 | 9.300 |
| 8 | 9.800 | 11.00 | 11.10 | 9.400 |
| 9 | 9.800 | 11.20 | 11.20 | 9.400 |
| 10 | 9.800 | 11.10 | 11.10 | 9.400 |
| 11 | 9.800 | 11.10 | 11.20 | 9.500 |
| 12 | 9.800 | 11.20 | 11.10 | 9.500 |
| 13 | 9.800 | 11.40 | 11.00 | 9.400 |

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Body weight (individuals) : females group 5 : 1250 ppm
(kg/animal)

| week: | Animal no | | | |
|-------|-----------|-------|-------|-------|
| | 37 | 38 | 39 | 40 |
| -1 | 9.600 | 10.60 | 9.800 | 8.900 |
| 1 | 9.700 | 10.70 | 9.900 | 9.000 |
| 2 | 9.800 | 10.70 | 9.800 | 9.000 |
| 3 | 9.900 | 10.70 | 10.00 | 9.200 |
| 4 | 10.00 | 10.70 | 10.00 | 9.300 |
| 5 | 10.30 | 11.10 | 10.20 | 9.400 |
| 6 | 10.30 | 11.00 | 10.30 | 9.600 |
| 7 | 10.40 | 11.10 | 10.10 | 9.600 |
| 8 | 10.40 | 11.00 | 10.20 | 9.600 |
| 9 | 10.40 | 11.20 | 10.40 | 9.600 |
| 10 | 10.30 | 11.20 | 10.20 | 9.600 |
| 11 | 10.50 | 11.20 | 10.20 | 9.700 |
| 12 | 10.60 | 11.10 | 10.20 | 9.600 |
| 13 | 10.60 | 11.00 | 10.20 | 9.600 |

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6.5. Food consumption (individuals)Food consumption (individuals) : males
(g/animal/day)

group 1 : 0 ppm

| week: | Animal no. | | | |
|-------|------------|-------|-------|-------|
| | 1 | 2 | 3 | 4 |
| -1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 350.0 | 350.0 | 350.0 | 350.0 |
| 4 | 350.0 | 350.0 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 350.0 | 350.0 | 350.0 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 350.0 | 350.0 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 |

Food consumption (individuals) : males
(g/animal/day)

group 2 : 50 ppm

| week: | Animal no. | | | |
|-------|------------|-------|-------|-------|
| | 5 | 6 | 7 | 8 |
| -1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 350.0 | 350.0 | 350.0 | 350.0 |
| 4 | 350.0 | 350.0 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 350.0 | 350.0 | 350.0 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 350.0 | 350.0 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 |

Food consumption (individuals) : males
 (g/animal/day)

group 3 : 125 ppm

| week: | Animal no. | | | |
|-------|------------|-------|-------|-------|
| | 9 | 10 | 11 | 12 |
| -1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 350.0 | 350.0 | 350.0 | 350.0 |
| 4 | 350.0 | 350.0 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 350.0 | 350.0 | 350.0 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 350.0 | 350.0 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 |

Food consumption (individuals) : males
 (g/animal/day)

group 4 : 250 ppm

| week: | Animal no. | | | |
|-------|------------|-------|-------|-------|
| | 13 | 14 | 15 | 16 |
| -1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 350.0 | 350.0 | 350.0 | 350.0 |
| 4 | 350.0 | 350.0 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 350.0 | 350.0 | 350.0 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 350.0 | 350.0 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 |

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Food consumption (individuals): males
(g/animal/day)

group 5 : 1250 ppm

| week: | Animal no. | | | |
|-------|------------|-------|-------|-------|
| | 17 | 18 | 19 | 20 |
| -1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 350.0 | 350.0 | 350.0 | 350.0 |
| 4 | 350.0 | 350.0 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 350.0 | 350.0 | 350.0 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 350.0 | 350.0 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 |

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Food consumption (individuals) : females
(g/animal/day) group 1 : 0 ppm

| | | Animal no. | | | |
|-------|----|------------|-------|-------|-------|
| | | 21 | 22 | 23 | 24 |
| week: | -1 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 1 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 3 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 4 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 6 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 9 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 13 | 350.0 | 350.0 | 350.0 | 350.0 |

Food consumption (individuals) : females
(g/animal/day) group 2 : 50 ppm

| | | Animal no. | | | |
|-------|----|------------|-------|-------|-------|
| | | 25 | 26 | 27 | 28 |
| week: | -1 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 1 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 3 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 4 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 6 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 9 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| | 13 | 350.0 | 350.0 | 350.0 | 350.0 |

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Food consumption (individuals): females
(g/animal/day)

group 3 : 125 ppm

| week: | Animal no. | | | |
|-------|------------|-------|-------|-------|
| | 29 | 30 | 31 | 32 |
| -1 | 345.7 | 350.0 | 350.0 | 350.0 |
| 1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 347.1 | 350.0 | 350.0 | 350.0 |
| 4 | 337.1 | 350.0 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 350.0 | 350.0 | 350.0 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 317.1 | 350.0 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 |

Food consumption (individuals): females
(g/animal/day)

group 4 : 250 ppm

| week: | Animal no. | | | |
|-------|------------|-------|-------|-------|
| | 33 | 34 | 35 | 36 |
| -1 | 341.4 | 350.0 | 350.0 | 344.3 |
| 1 | 321.4 | 350.0 | 350.0 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 350.0 | 350.0 | 350.0 | 350.0 |
| 4 | 350.0 | 350.0 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 345.7 | 350.0 | 350.0 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 350.0 | 350.0 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 |

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Food consumption (individuals): females group 5 : 1250 ppm
 (g/animal/day)

| week: | Animal no. | | | |
|-------|------------|-------|-------|-------|
| | 37 | 38 | 39 | 40 |
| -1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 1 | 350.0 | 350.0 | 350.0 | 350.0 |
| 2 | 350.0 | 350.0 | 350.0 | 350.0 |
| 3 | 350.0 | 350.0 | 350.0 | 350.0 |
| 4 | 350.0 | 350.0 | 350.0 | 350.0 |
| 5 | 350.0 | 350.0 | 350.0 | 350.0 |
| 6 | 350.0 | 350.0 | 350.0 | 350.0 |
| 7 | 350.0 | 350.0 | 350.0 | 350.0 |
| 8 | 350.0 | 350.0 | 350.0 | 350.0 |
| 9 | 350.0 | 350.0 | 350.0 | 350.0 |
| 10 | 350.0 | 350.0 | 350.0 | 350.0 |
| 11 | 350.0 | 350.0 | 350.0 | 350.0 |
| 12 | 350.0 | 350.0 | 350.0 | 350.0 |
| 13 | 350.0 | 350.0 | 350.0 | 350.0 |

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6.6. Eye examinations (individuals)

A detailed examination of both sides of the third eyelid under local anesthesia revealed conjunctivitis follicularis of variable degree for all male and female dogs of the control and treated groups at pretest and week 13.

All the other findings for individual dogs are listed in the following tables.

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Individual findings, male

| Group | Dog no. | Week | Findings |
|-------|---------|------|--|
| 1 | 1 | -4 | Lens: one opaque spot visible, both eyes |
| | 1 | 13 | Lens: one opaque spot visible, both eyes |
| | 2 | -4 | Lens: persistent hyaloid vessel visible, both eyes |
| | 2 | 13 | Lens: persistent hyaloid vessel visible, both eyes |
| | 3 | -4 | noao |
| | 3 | 13 | noao |
| | 4 | -4 | Lens: persistent hyaloid vessel visible, both eyes |
| | 4 | 13 | Lens: persistent hyaloid vessel visible, both eyes |
| 2 | 5 | -4 | noao |
| | 5 | 13 | noao |
| | 6 | -4 | noao |
| | 6 | 13 | noao |
| | 7 | -4 | noao |
| | 7 | 13 | noao |
| | 8 | -4 | noao |
| | 8 | 13 | noao |
| 3 | 9 | -4 | noao |
| | 9 | 13 | noao |
| | 10 | -4 | noao |
| | 10 | 13 | noao |
| | 11 | -4 | noao |
| | 11 | 13 | noao |
| | 12 | -4 | noao |
| | 12 | 13 | noao |
| 4 | 13 | -4 | Fundus: Tap. lucidum, hyperreflective spot nasal the disc, right eye |
| | 13 | 13 | Fundus: Tap. lucidum, hyperreflective spot nasal the disc, right eye |
| | 14 | -4 | noao |
| | 14 | 13 | noao |
| | 15 | -4 | noao |
| | 15 | 13 | noao |
| | 16 | -4 | noao |
| 16 | 13 | noao | |
| 5 | 17 | -4 | noao |
| | 17 | 13 | noao |
| | 18 | -4 | noao |
| | 18 | 13 | noao |
| | 19 | -4 | noao |
| | 19 | 13 | noao |
| | 20 | -4 | noao |
| | 20 | 13 | noao |

noao = no ocular abnormality observed

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Individual findings, females

| Group | Dog No. | Week | Findings |
|-------|---------|------|--|
| 1 | 21 | -4 | noao |
| | 21 | 13 | noao |
| | 22 | -4 | noao |
| | 22 | 13 | noao |
| | 23 | -4 | noao |
| | 23 | 13 | noao |
| | 24 | -4 | Fundus: Tap. lucidum, multiple retinal folds visible, both eyes |
| | 24 | 13 | Fundus: Tap. lucidum, multiple retinal folds visible, both eyes |
| 2 | 25 | -4 | noao |
| | 25 | 13 | noao |
| | 26 | -4 | noao |
| | 26 | 13 | noao |
| | 27 | -4 | noao |
| | 27 | 13 | noao |
| | 28 | -4 | Fundus: Tap. lucidum, one hyperreflective spot visible, left eye |
| | 28 | 13 | Fundus: Tap. lucidum, one hyperreflective spot visible, left eye |
| 3 | 29 | -4 | noao |
| | 29 | 13 | noao |
| | 30 | -4 | noao |
| | 30 | 13 | noao |
| | 31 | -4 | noao |
| | 31 | 13 | noao |
| | 32 | -4 | noao |
| | 32 | 13 | noao |
| | 4 | 33 | -4 |
| 33 | | 13 | noao |
| 34 | | -4 | noao |
| 34 | | 13 | noao |
| 35 | | -4 | Lens: multiple opaque dots visible, both eyes |
| 35 | | 13 | Lens: multiple opaque dots visible, both eyes |
| 36 | | -4 | noao |
| 36 | | 13 | noao |
| 5 | 37 | -4 | noao |
| | 37 | 13 | noao |
| | 38 | -4 | noao |
| | 38 | 13 | noao |
| | 39 | -4 | noao |
| | 39 | 13 | noao |
| | 40 | -4 | noao |
| | 40 | 13 | noao |

Test No.: 943128

Test Article: CGA 329351 tech.

6.7. Hematology (individuals)

Hematology (individuals): males

group 1

0 ppm

| | | 1 | 2 | 3 | 4 |
|----------------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| RBC (T/l) | | | | | |
| week: | -1 | 5.960 | 6.280 | 6.600 | 5.930 |
| | 7 | 6.285 | 6.500 | 6.340 | 6.160 |
| | 13 | 6.910 | 6.610 | 6.180 | 5.990 |
| Hb (mmol/l) | | | | | |
| week: | -1 | 8.400 | 8.700 | 9.200 | 8.800 |
| | 7 | 8.700 | 8.900 | 8.700 | 9.100 |
| | 13 | 9.300 | 9.100 | 8.700 | 8.900 |
| Hct (l) | | | | | |
| week: | -1 | 0.392 | 0.412 | 0.431 | 0.405 |
| | 7 | 0.421 | 0.426 | 0.417 | 0.432 |
| | 13 | 0.447 | 0.425 | 0.406 | 0.411 |
| MCV (fl) | | | | | |
| week: | -1 | 65.70 | 65.60 | 65.30 | 68.20 |
| | 7 | 67.00 | 65.60 | 65.80 | 70.20 |
| | 13 | 64.70 | 64.30 | 65.60 | 68.70 |
| RDW (l) | | | | | |
| week: | -1 | 0.153 | 0.144 | 0.140 | 0.139 |
| | 7 | 0.136 | 0.138 | 0.142 | 0.129 |
| | 13 | 0.137 | 0.138 | 0.132 | 0.129 |
| MCH (fmol) | | | | | |
| week: | -1 | 1.410 | 1.390 | 1.400 | 1.490 |
| | 7 | 1.380 | 1.370 | 1.380 | 1.480 |
| | 13 | 1.350 | 1.380 | 1.410 | 1.480 |

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Test Article: CGA 329351 tech.

Hematology (individuals): males

group 1
0 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 |
| MCHC | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 21.48 | 21.21 | 21.37 | 21.86 |
| | 7 | 20.60 | 20.83 | 20.95 | 21.06 |
| | 13 | 20.90 | 21.45 | 21.48 | 21.58 |
| HDW | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 1.250 | 1.140 | 1.010 | 1.030 |
| | 7 | 1.215 | 1.220 | 1.190 | 1.110 |
| | 13 | 1.140 | 1.200 | 1.120 | 1.060 |
| Reti | | | | | |
| (1) | | | | | |
| week: | -1 | 0.024 | 0.025 | 0.015 | 0.025 |
| | 7 | 0.016 | 0.021 | 0.015 | 0.021 |
| | 13 | 0.019 | 0.019 | 0.016 | 0.023 |
| WBC | | | | | |
| (G/l) | | | | | |
| week: | -1 | 11.21 | 8.870 | 10.42 | 11.86 |
| | 7 | 10.07 | 10.55 | 11.83 | 10.95 |
| | 13 | 12.21 | 8.480 | 10.12 | 7.870 |
| Neut | | | | | |
| (1) | | | | | |
| week: | -1 | 0.594 | 0.539 | 0.532 | 0.622 |
| | 7 | 0.646 | 0.581 | 0.583 | 0.475 |
| | 13 | 0.666 | 0.573 | 0.569 | 0.467 |
| Eos | | | | | |
| (1) | | | | | |
| week: | -1 | 0.034 | 0.031 | 0.018 | 0.026 |
| | 7 | 0.028 | 0.030 | 0.016 | 0.031 |
| | 13 | 0.022 | 0.029 | 0.017 | 0.018 |
| Baso | | | | | |
| (1) | | | | | |
| week: | -1 | 0.006 | 0.006 | 0.004 | 0.004 |
| | 7 | 0.004 | 0.003 | 0.002 | 0.004 |
| | 13 | 0.004 | 0.003 | 0.003 | 0.005 |

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Test Article: CGA 329351 tech.

Hematology (individuals): males

group 1
0 ppm

| | | Animal no | | | |
|-----------------|----|-----------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 |
| Lympho (1) | | | | | |
| week: | -1 | 0.324 | 0.380 | 0.393 | 0.273 |
| | 7 | 0.271 | 0.338 | 0.347 | 0.431 |
| | 13 | 0.256 | 0.347 | 0.354 | 0.431 |
| Mono (1) | | | | | |
| week: | -1 | 0.038 | 0.040 | 0.049 | 0.068 |
| | 7 | 0.050 | 0.046 | 0.049 | 0.055 |
| | 13 | 0.043 | 0.040 | 0.050 | 0.068 |
| Luc (1) | | | | | |
| week: | -1 | 0.004 | 0.004 | 0.003 | 0.007 |
| | 7 | 0.004 | 0.002 | 0.003 | 0.004 |
| | 13 | 0.009 | 0.008 | 0.006 | 0.011 |
| Neut (G/l) | | | | | |
| week: | -1 | 6.660 | 4.780 | 5.550 | 7.380 |
| | 7 | 6.500 | 6.130 | 6.900 | 5.200 |
| | 13 | 8.130 | 4.860 | 5.760 | 3.670 |
| Eos (G/l) | | | | | |
| week: | -1 | 0.380 | 0.280 | 0.190 | 0.310 |
| | 7 | 0.280 | 0.310 | 0.190 | 0.340 |
| | 13 | 0.270 | 0.250 | 0.170 | 0.140 |
| Baso (G/l) | | | | | |
| week: | -1 | 0.070 | 0.050 | 0.040 | 0.050 |
| | 7 | 0.035 | 0.030 | 0.030 | 0.050 |
| | 13 | 0.050 | 0.030 | 0.030 | 0.040 |
| Lympho (G/l) | | | | | |
| week: | -1 | 3.630 | 3.370 | 4.100 | 3.240 |
| | 7 | 2.730 | 3.570 | 4.100 | 4.720 |
| | 13 | 3.130 | 2.940 | 3.590 | 3.390 |

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Hematology (individuals): males

group 1
0 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 |
| Mono | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.420 | 0.350 | 0.510 | 0.810 |
| | 7 | 0.495 | 0.490 | 0.580 | 0.610 |
| | 13 | 0.520 | 0.340 | 0.510 | 0.540 |
| Luc | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.040 | 0.030 | 0.030 | 0.080 |
| | 7 | 0.035 | 0.020 | 0.030 | 0.040 |
| | 13 | 0.110 | 0.060 | 0.060 | 0.090 |
| Plt | | | | | |
| (G/l) | | | | | |
| week: | -1 | 361.0 | 293.0 | 241.0 | 253.0 |
| | 7 | 378.0 | 324.0 | 214.0 | 338.0 |
| | 13 | 390.0 | 292.0 | 243.0 | 226.0 |
| PT(CS) | | | | | |
| (sec) | | | | | |
| week: | -1 | 33.14 | 34.23 | 27.97 | 26.72 |
| | 7 | 33.90 | 33.53 | 30.68 | 27.46 |
| | 13 | 30.13 | 31.20 | 28.89 | 27.17 |

Hematology (individuals): males

group 2
50 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 5 | 6 | 7 | 8 |
| RBC | | | | | |
| (T/l) | | | | | |
| week: | -1 | 6.090 | 6.120 | 6.210 | 6.290 |
| | 7 | 6.740 | 6.430 | 6.470 | 6.140 |
| | 13 | 6.530 | 6.160 | 6.910 | 6.330 |
| Hb | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 8.800 | 8.700 | 8.800 | 8.700 |
| | 7 | 9.800 | 9.000 | 9.000 | 8.500 |
| | 13 | 9.600 | 8.700 | 9.600 | 8.900 |

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Hematology (individuals): males

group 2
50 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 5 | 6 | 7 | 8 |
| Hct | | | | | |
| (1) | | | | | |
| week: | -1 | 0.411 | 0.416 | 0.413 | 0.421 |
| | 7 | 0.464 | 0.439 | 0.436 | 0.410 |
| | 13 | 0.441 | 0.407 | 0.450 | 0.417 |
| MCV | | | | | |
| (fl) | | | | | |
| week: | -1 | 67.40 | 68.00 | 66.40 | 66.80 |
| | 7 | 68.80 | 68.30 | 67.40 | 66.80 |
| | 13 | 67.50 | 66.10 | 65.20 | 65.90 |
| RDW | | | | | |
| (1) | | | | | |
| week: | -1 | 0.147 | 0.132 | 0.140 | 0.135 |
| | 7 | 0.137 | 0.129 | 0.132 | 0.129 |
| | 13 | 0.132 | 0.125 | 0.129 | 0.130 |
| MCH | | | | | |
| (fmol) | | | | | |
| week: | -1 | 1.450 | 1.420 | 1.410 | 1.390 |
| | 7 | 1.450 | 1.400 | 1.400 | 1.390 |
| | 13 | 1.470 | 1.410 | 1.380 | 1.410 |
| MCHC | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 21.45 | 20.93 | 21.24 | 20.75 |
| | 7 | 21.05 | 20.51 | 20.71 | 20.76 |
| | 13 | 21.75 | 21.39 | 21.24 | 21.39 |
| HDW | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 1.090 | 0.970 | 1.120 | 1.010 |
| | 7 | 1.210 | 1.100 | 1.210 | 1.110 |
| | 13 | 1.130 | 1.040 | 1.120 | 1.080 |
| Reti | | | | | |
| (1) | | | | | |
| week: | -1 | 0.027 | 0.019 | 0.026 | 0.028 |
| | 7 | 0.021 | 0.018 | 0.021 | 0.016 |
| | 13 | 0.021 | 0.014 | 0.017 | 0.021 |

Hematology (individuals): males

group 2
 50 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 5 | 6 | 7 | 8 |
| WBC | | | | | |
| (G/l) | | | | | |
| week: | -1 | 8.570 | 9.840 | 12.01 | 12.79 |
| | 7 | 11.13 | 9.980 | 10.61 | 11.45 |
| | 13 | 11.89 | 9.110 | 10.03 | 10.78 |
| Neut | | | | | |
| (1) | | | | | |
| week: | -1 | 0.588 | 0.443 | 0.580 | 0.536 |
| | 7 | 0.590 | 0.421 | 0.569 | 0.552 |
| | 13 | 0.641 | 0.472 | 0.556 | 0.570 |
| Eos | | | | | |
| (1) | | | | | |
| week: | -1 | 0.017 | 0.023 | 0.017 | 0.030 |
| | 7 | 0.022 | 0.027 | 0.025 | 0.027 |
| | 13 | 0.018 | 0.028 | 0.019 | 0.021 |
| Baso | | | | | |
| (1) | | | | | |
| week: | -1 | 0.005 | 0.009 | 0.004 | 0.004 |
| | 7 | 0.007 | 0.005 | 0.003 | 0.003 |
| | 13 | 0.004 | 0.004 | 0.003 | 0.004 |
| Lympho | | | | | |
| (1) | | | | | |
| week: | -1 | 0.342 | 0.461 | 0.325 | 0.373 |
| | 7 | 0.321 | 0.464 | 0.342 | 0.372 |
| | 13 | 0.270 | 0.417 | 0.349 | 0.364 |
| Mono | | | | | |
| (1) | | | | | |
| week: | -1 | 0.046 | 0.058 | 0.070 | 0.050 |
| | 7 | 0.056 | 0.076 | 0.057 | 0.044 |
| | 13 | 0.062 | 0.071 | 0.067 | 0.034 |
| Luc | | | | | |
| (1) | | | | | |
| week: | -1 | 0.003 | 0.007 | 0.004 | 0.006 |
| | 7 | 0.005 | 0.006 | 0.003 | 0.002 |
| | 13 | 0.007 | 0.008 | 0.005 | 0.008 |

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Hematology (individuals): males

group 2
50 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 5 | 6 | 7 | 8 |
| Neut | | | | | |
| (G/l) | | | | | |
| week: | -1 | 5.030 | 4.360 | 6.960 | 6.860 |
| | 7 | 6.570 | 4.200 | 6.040 | 6.320 |
| | 13 | 7.620 | 4.300 | 5.570 | 6.140 |
| Eos | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.150 | 0.220 | 0.210 | 0.390 |
| | 7 | 0.240 | 0.270 | 0.270 | 0.310 |
| | 13 | 0.210 | 0.250 | 0.190 | 0.220 |
| Baso | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.040 | 0.090 | 0.050 | 0.050 |
| | 7 | 0.070 | 0.050 | 0.040 | 0.030 |
| | 13 | 0.040 | 0.040 | 0.030 | 0.040 |
| Lympho | | | | | |
| (G/l) | | | | | |
| week: | -1 | 2.930 | 4.540 | 3.900 | 4.760 |
| | 7 | 3.570 | 4.630 | 3.630 | 4.260 |
| | 13 | 3.210 | 3.800 | 3.500 | 3.920 |
| Mono | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.390 | 0.570 | 0.840 | 0.640 |
| | 7 | 0.620 | 0.760 | 0.610 | 0.500 |
| | 13 | 0.740 | 0.650 | 0.670 | 0.360 |
| Luc | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.020 | 0.070 | 0.050 | 0.080 |
| | 7 | 0.060 | 0.060 | 0.030 | 0.020 |
| | 13 | 0.080 | 0.070 | 0.050 | 0.090 |
| Plt | | | | | |
| (G/l) | | | | | |
| week: | -1 | 194.0 | 327.0 | 237.0 | 324.0 |
| | 7 | 200.0 | 389.0 | 299.0 | 286.0 |
| | 13 | 204.0 | 363.0 | 267.0 | 339.0 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): males

group 2
50 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 5 | 6 | 7 | 8 |
| PT(CS) | | | | | |
| (sec) | | | | | |
| week: | -1 | 33.37 | 27.61 | 28.20 | 35.27 |
| | 7 | 31.97 | 31.49 | 29.94 | 38.29 |
| | 13 | 30.69 | 31.62 | 29.20 | 36.89 |

Hematology (individuals): males

group 3
125 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 9 | 10 | 11 | 12 |
| RBC | | | | | |
| (T/l) | | | | | |
| week: | -1 | 5.860 | 6.380 | 6.660 | 6.190 |
| | 7 | 6.800 | 6.400 | 6.470 | 6.170 |
| | 13 | 6.660 | 6.210 | 6.600 | 6.160 |
| Hb | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 8.400 | 9.200 | 9.500 | 9.000 |
| | 7 | 9.600 | 9.000 | 9.100 | 9.000 |
| | 13 | 9.400 | 8.800 | 9.300 | 9.000 |
| Hct | | | | | |
| (l) | | | | | |
| week: | -1 | 0.398 | 0.429 | 0.451 | 0.442 |
| | 7 | 0.465 | 0.429 | 0.439 | 0.431 |
| | 13 | 0.447 | 0.404 | 0.432 | 0.419 |
| MCV | | | | | |
| (fl) | | | | | |
| week: | -1 | 67.80 | 67.30 | 67.60 | 71.30 |
| | 7 | 68.30 | 67.10 | 67.90 | 69.90 |
| | 13 | 67.10 | 65.00 | 65.50 | 68.00 |
| RDW | | | | | |
| (l) | | | | | |
| week: | -1 | 0.145 | 0.143 | 0.147 | 0.145 |
| | 7 | 0.135 | 0.134 | 0.134 | 0.129 |
| | 13 | 0.133 | 0.132 | 0.133 | 0.127 |

Hematology (individuals): males

group 3
 125 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 9 | 10 | 11 | 12 |
| MCH | | | | | |
| (fmol) | | | | | |
| week: | -1 | 1.430 | 1.440 | 1.430 | 1.450 |
| | 7 | 1.410 | 1.410 | 1.410 | 1.460 |
| | 13 | 1.410 | 1.410 | 1.410 | 1.460 |
| MCHC | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 21.14 | 21.39 | 21.12 | 20.28 |
| | 7 | 20.67 | 21.00 | 20.78 | 20.89 |
| | 13 | 21.09 | 21.66 | 21.56 | 21.46 |
| HDW | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 1.030 | 1.160 | 1.150 | 0.990 |
| | 7 | 1.140 | 1.260 | 1.130 | 1.050 |
| | 13 | 1.100 | 1.170 | 1.120 | 1.170 |
| Reti | | | | | |
| (1) | | | | | |
| week: | -1 | 0.027 | 0.020 | 0.029 | 0.034 |
| | 7 | 0.027 | 0.016 | 0.017 | 0.014 |
| | 13 | 0.027 | 0.013 | 0.020 | 0.016 |
| WBC | | | | | |
| (G/l) | | | | | |
| week: | -1 | 10.56 | 10.69 | 10.15 | 11.16 |
| | 7 | 13.46 | 11.31 | 12.46 | 12.39 |
| | 13 | 12.80 | 10.90 | 11.33 | 9.610 |
| Neut | | | | | |
| (1) | | | | | |
| week: | -1 | 0.531 | 0.511 | 0.454 | 0.467 |
| | 7 | 0.575 | 0.580 | 0.510 | 0.569 |
| | 13 | 0.647 | 0.606 | 0.488 | 0.567 |
| Eos | | | | | |
| (1) | | | | | |
| week: | -1 | 0.048 | 0.032 | 0.020 | 0.030 |
| | 7 | 0.024 | 0.033 | 0.015 | 0.039 |
| | 13 | 0.018 | 0.028 | 0.009 | 0.033 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): males

group 3
125 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 9 | 10 | 11 | 12 |
| Baso | | | | | |
| (1) | | | | | |
| week: | -1 | 0.003 | 0.007 | 0.003 | 0.012 |
| | 7 | 0.004 | 0.004 | 0.003 | 0.007 |
| | 13 | 0.005 | 0.004 | 0.003 | 0.004 |
| Lympho | | | | | |
| (1) | | | | | |
| week: | -1 | 0.365 | 0.398 | 0.493 | 0.427 |
| | 7 | 0.336 | 0.333 | 0.420 | 0.319 |
| | 13 | 0.270 | 0.309 | 0.445 | 0.304 |
| Mono | | | | | |
| (1) | | | | | |
| week: | -1 | 0.048 | 0.048 | 0.026 | 0.055 |
| | 7 | 0.057 | 0.047 | 0.051 | 0.059 |
| | 13 | 0.052 | 0.044 | 0.052 | 0.081 |
| Luc | | | | | |
| (1) | | | | | |
| week: | -1 | 0.005 | 0.004 | 0.003 | 0.008 |
| | 7 | 0.003 | 0.004 | 0.001 | 0.006 |
| | 13 | 0.008 | 0.009 | 0.003 | 0.011 |
| Neut | | | | | |
| (G/l) | | | | | |
| week: | -1 | 5.610 | 5.460 | 4.610 | 5.210 |
| | 7 | 7.740 | 6.560 | 6.350 | 7.060 |
| | 13 | 8.290 | 6.600 | 5.530 | 5.450 |
| Eos | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.510 | 0.350 | 0.210 | 0.340 |
| | 7 | 0.320 | 0.370 | 0.190 | 0.480 |
| | 13 | 0.220 | 0.310 | 0.100 | 0.320 |
| Baso | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.030 | 0.070 | 0.030 | 0.130 |
| | 7 | 0.060 | 0.040 | 0.040 | 0.090 |
| | 13 | 0.060 | 0.040 | 0.030 | 0.040 |

Hematology (individuals): males

group 3
125 ppm

| | | Animal no | | | |
|------------------|----|-----------|-------|-------|-------|
| | | 9 | 10 | 11 | 12 |
| Lympho (G/l) | | | | | |
| week: | -1 | 3.850 | 4.250 | 5.010 | 4.770 |
| | 7 | 4.520 | 3.760 | 5.240 | 3.960 |
| | 13 | 3.450 | 3.370 | 5.040 | 2.920 |
| Mono (G/l) | | | | | |
| week: | -1 | 0.510 | 0.520 | 0.270 | 0.620 |
| | 7 | 0.770 | 0.530 | 0.630 | 0.730 |
| | 13 | 0.660 | 0.480 | 0.590 | 0.780 |
| Luc (G/l) | | | | | |
| week: | -1 | 0.050 | 0.040 | 0.030 | 0.090 |
| | 7 | 0.040 | 0.040 | 0.010 | 0.070 |
| | 13 | 0.110 | 0.100 | 0.040 | 0.110 |
| Plt (G/l) | | | | | |
| week: | -1 | 290.0 | 325.0 | 248.0 | 350.0 |
| | 7 | 349.0 | 363.0 | 242.0 | 300.0 |
| | 13 | 299.0 | 282.0 | 268.0 | 297.0 |
| PT (CS) (sec) | | | | | |
| week: | -1 | 28.96 | 32.21 | 38.17 | 34.03 |
| | 7 | 28.54 | 35.38 | 38.70 | 38.83 |
| | 13 | 27.94 | 30.82 | 36.08 | 37.76 |

Hematology (individuals): males

group 4
250 ppm

| | | Animal no | | | |
|--------------|----|-----------|-------|-------|-------|
| | | 13 | 14 | 15 | 16 |
| RBC (T/l) | | | | | |
| week: | -1 | 5.610 | 5.940 | 5.320 | 5.660 |
| | 7 | 5.980 | 6.370 | 5.760 | 5.910 |
| | 13 | 6.040 | 6.400 | 6.080 | 5.920 |

Hematology (individuals): males

group 4
 250 ppm

| | | 13 | 14 | 15 | 16 | Animal no |
|----------|----|-------|-------|-------|-------|-----------|
| Hb | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 8.200 | 8.400 | 7.500 | 7.600 | |
| | 7 | 8.700 | 8.900 | 8.300 | 7.800 | |
| | 13 | 8.600 | 8.900 | 8.700 | 7.800 | |
| Hct | | | | | | |
| (l) | | | | | | |
| week: | -1 | 0.389 | 0.391 | 0.357 | 0.360 | |
| | 7 | 0.415 | 0.423 | 0.395 | 0.380 | |
| | 13 | 0.405 | 0.408 | 0.412 | 0.369 | |
| MCV | | | | | | |
| (fl) | | | | | | |
| week: | -1 | 69.40 | 65.70 | 67.10 | 63.60 | |
| | 7 | 69.40 | 66.30 | 68.50 | 64.40 | |
| | 13 | 67.00 | 63.80 | 67.80 | 62.30 | |
| RDW | | | | | | |
| (l) | | | | | | |
| week: | -1 | 0.141 | 0.146 | 0.154 | 0.143 | |
| | 7 | 0.131 | 0.141 | 0.148 | 0.131 | |
| | 13 | 0.130 | 0.135 | 0.140 | 0.129 | |
| MCH | | | | | | |
| (fmol) | | | | | | |
| week: | -1 | 1.460 | 1.420 | 1.420 | 1.350 | |
| | 7 | 1.450 | 1.400 | 1.440 | 1.320 | |
| | 13 | 1.420 | 1.390 | 1.430 | 1.320 | |
| MCHC | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 21.09 | 21.56 | 21.13 | 21.22 | |
| | 7 | 20.87 | 21.16 | 21.02 | 20.55 | |
| | 13 | 21.24 | 21.79 | 21.06 | 21.13 | |
| HDW | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 1.050 | 1.110 | 0.990 | 1.070 | |
| | 7 | 1.160 | 1.260 | 1.300 | 1.170 | |
| | 13 | 1.180 | 1.110 | 1.080 | 1.030 | |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): males

group 4
250 ppm

| | | Animal no | | | |
|---------------|----|-----------|-------|-------|-------|
| | | 13 | 14 | 15 | 16 |
| Reti (1) | | | | | |
| week: | -1 | 0.023 | 0.017 | 0.014 | 0.024 |
| | 7 | 0.024 | 0.016 | 0.019 | 0.021 |
| | 13 | 0.025 | 0.011 | 0.012 | 0.016 |
| WBC (G/l) | | | | | |
| week: | -1 | 10.50 | 8.830 | 9.110 | 11.42 |
| | 7 | 16.72 | 9.740 | 10.60 | 11.55 |
| | 13 | 11.78 | 7.730 | 9.370 | 11.26 |
| Neut (1) | | | | | |
| week: | -1 | 0.498 | 0.569 | 0.444 | 0.546 |
| | 7 | 0.650 | 0.543 | 0.517 | 0.545 |
| | 13 | 0.562 | 0.591 | 0.525 | 0.554 |
| Eos (1) | | | | | |
| week: | -1 | 0.014 | 0.036 | 0.021 | 0.036 |
| | 7 | 0.013 | 0.083 | 0.016 | 0.015 |
| | 13 | 0.022 | 0.014 | 0.014 | 0.019 |
| Baso (1) | | | | | |
| week: | -1 | 0.006 | 0.003 | 0.006 | 0.004 |
| | 7 | 0.003 | 0.002 | 0.004 | 0.003 |
| | 13 | 0.005 | 0.003 | 0.005 | 0.002 |
| Lympho (1) | | | | | |
| week: | -1 | 0.422 | 0.343 | 0.468 | 0.346 |
| | 7 | 0.269 | 0.322 | 0.383 | 0.374 |
| | 13 | 0.350 | 0.327 | 0.380 | 0.354 |
| Mono (1) | | | | | |
| week: | -1 | 0.054 | 0.046 | 0.054 | 0.062 |
| | 7 | 0.062 | 0.045 | 0.074 | 0.060 |
| | 13 | 0.052 | 0.059 | 0.069 | 0.062 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): males

group 4
250 ppm

| | | Animal no | | | |
|-----------------|----|-----------|-------|-------|-------|
| | | 13 | 14 | 15 | 16 |
| Luc (1) | | | | | |
| week: | -1 | 0.006 | 0.002 | 0.007 | 0.005 |
| | 7 | 0.003 | 0.005 | 0.006 | 0.004 |
| | 13 | 0.009 | 0.007 | 0.008 | 0.008 |
| Neut (G/l) | | | | | |
| week: | -1 | 5.230 | 5.030 | 4.040 | 6.240 |
| | 7 | 10.87 | 5.290 | 5.480 | 6.290 |
| | 13 | 6.620 | 4.570 | 4.920 | 6.240 |
| Eos (G/l) | | | | | |
| week: | -1 | 0.150 | 0.310 | 0.190 | 0.420 |
| | 7 | 0.220 | 0.810 | 0.170 | 0.170 |
| | 13 | 0.260 | 0.110 | 0.130 | 0.220 |
| Baso (G/l) | | | | | |
| week: | -1 | 0.060 | 0.030 | 0.060 | 0.050 |
| | 7 | 0.060 | 0.020 | 0.040 | 0.030 |
| | 13 | 0.060 | 0.020 | 0.040 | 0.020 |
| Lympho (G/l) | | | | | |
| week: | -1 | 4.440 | 3.030 | 4.270 | 3.960 |
| | 7 | 4.500 | 3.140 | 4.060 | 4.320 |
| | 13 | 4.120 | 2.530 | 3.560 | 3.990 |
| Mono (G/l) | | | | | |
| week: | -1 | 0.560 | 0.410 | 0.490 | 0.710 |
| | 7 | 1.030 | 0.430 | 0.790 | 0.690 |
| | 13 | 0.610 | 0.450 | 0.640 | 0.700 |
| Luc (G/l) | | | | | |
| week: | -1 | 0.060 | 0.020 | 0.060 | 0.050 |
| | 7 | 0.060 | 0.050 | 0.060 | 0.040 |
| | 13 | 0.110 | 0.050 | 0.080 | 0.090 |

Hematology (individuals): males

group 4
250 ppm

| | | 13 | 14 | 15 | 16 | Animal no |
|--------|----|-------|-------|-------|-------|-----------|
| Plt | | | | | | |
| (G/l) | | | | | | |
| week: | -1 | 292.0 | 216.0 | 256.0 | 290.0 | |
| | 7 | 399.0 | 172.0 | 312.0 | 332.0 | |
| | 13 | 357.0 | 231.0 | 285.0 | 283.0 | |
| PT(CS) | | | | | | |
| (sec) | | | | | | |
| week: | -1 | 30.67 | 35.36 | 33.87 | 38.21 | |
| | 7 | 33.29 | 33.44 | 34.42 | 39.11 | |
| | 13 | 30.43 | 35.31 | 32.20 | 38.75 | |

Hematology (individuals): males

group 5
1250 ppm

| | | 17 | 18 | 19 | 20 | Animal no |
|----------|----|-------|-------|-------|-------|-----------|
| RBC | | | | | | |
| (T/l) | | | | | | |
| week: | -1 | 5.430 | 5.690 | 5.880 | 5.970 | |
| | 7 | 5.530 | 6.080 | 6.610 | 5.670 | |
| | 13 | 5.700 | 5.970 | 6.450 | 6.130 | |
| Hb | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 7.800 | 8.100 | 8.200 | 8.400 | |
| | 7 | 7.800 | 8.400 | 9.300 | 8.000 | |
| | 13 | 8.200 | 8.400 | 9.100 | 8.500 | |
| Hct | | | | | | |
| (l) | | | | | | |
| week: | -1 | 0.371 | 0.385 | 0.392 | 0.400 | |
| | 7 | 0.381 | 0.415 | 0.447 | 0.382 | |
| | 13 | 0.383 | 0.396 | 0.424 | 0.404 | |
| MCV | | | | | | |
| (fl) | | | | | | |
| week: | -1 | 68.30 | 67.70 | 66.70 | 66.90 | |
| | 7 | 68.90 | 68.30 | 67.60 | 67.40 | |
| | 13 | 67.20 | 66.20 | 65.70 | 66.00 | |

Hematology (individuals): males

group 5
 1250 ppm

| | | 17 | 18 | 19 | 20 | Animal no |
|----------|----|-------|-------|-------|-------|-----------|
| RDW | | | | | | |
| (1) | | | | | | |
| week: | -1 | 0.137 | 0.142 | 0.155 | 0.148 | |
| | 7 | 0.133 | 0.139 | 0.141 | 0.135 | |
| | 13 | 0.134 | 0.138 | 0.140 | 0.134 | |
| MCH | | | | | | |
| (fmol) | | | | | | |
| week: | -1 | 1.430 | 1.430 | 1.400 | 1.410 | |
| | 7 | 1.420 | 1.380 | 1.400 | 1.410 | |
| | 13 | 1.430 | 1.410 | 1.410 | 1.390 | |
| MCHC | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 20.92 | 21.12 | 21.00 | 21.07 | |
| | 7 | 20.55 | 20.14 | 20.70 | 20.90 | |
| | 13 | 21.29 | 21.36 | 21.45 | 21.14 | |
| HDW | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 1.090 | 1.080 | 1.130 | 1.400 | |
| | 7 | 1.160 | 1.200 | 1.120 | 1.080 | |
| | 13 | 1.110 | 1.080 | 1.100 | 0.990 | |
| Reti | | | | | | |
| (1) | | | | | | |
| week: | -1 | 0.020 | 0.016 | 0.026 | 0.026 | |
| | 7 | 0.014 | 0.023 | 0.020 | 0.017 | |
| | 13 | 0.013 | 0.018 | 0.018 | 0.018 | |
| WBC | | | | | | |
| (G/l) | | | | | | |
| week: | -1 | 10.24 | 7.730 | 10.15 | 11.41 | |
| | 7 | 12.27 | 9.120 | 10.87 | 10.30 | |
| | 13 | 9.990 | 7.770 | 9.670 | 9.260 | |
| Neut | | | | | | |
| (1) | | | | | | |
| week: | -1 | 0.470 | 0.488 | 0.487 | 0.567 | |
| | 7 | 0.555 | 0.516 | 0.523 | 0.554 | |
| | 13 | 0.534 | 0.539 | 0.508 | 0.583 | |

Hematology (individuals): males

group 5
 1250 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 17 | 18 | 19 | 20 |
| Eos | | | | | |
| (1) | | | | | |
| week: | -1 | 0.038 | 0.015 | 0.022 | 0.029 |
| | 7 | 0.023 | 0.022 | 0.017 | 0.032 |
| | 13 | 0.017 | 0.014 | 0.011 | 0.023 |
| Baso | | | | | |
| (1) | | | | | |
| week: | -1 | 0.004 | 0.005 | 0.004 | 0.006 |
| | 7 | 0.003 | 0.003 | 0.006 | 0.002 |
| | 13 | 0.002 | 0.003 | 0.004 | 0.003 |
| Lympho | | | | | |
| (1) | | | | | |
| week: | -1 | 0.420 | 0.427 | 0.429 | 0.313 |
| | 7 | 0.342 | 0.382 | 0.409 | 0.323 |
| | 13 | 0.372 | 0.381 | 0.422 | 0.334 |
| Mono | | | | | |
| (1) | | | | | |
| week: | -1 | 0.062 | 0.061 | 0.053 | 0.079 |
| | 7 | 0.072 | 0.075 | 0.040 | 0.086 |
| | 13 | 0.066 | 0.054 | 0.047 | 0.050 |
| Luc | | | | | |
| (1) | | | | | |
| week: | -1 | 0.006 | 0.004 | 0.005 | 0.005 |
| | 7 | 0.005 | 0.003 | 0.005 | 0.003 |
| | 13 | 0.008 | 0.008 | 0.008 | 0.006 |
| Neut | | | | | |
| (G/l) | | | | | |
| week: | -1 | 4.820 | 3.780 | 4.950 | 6.470 |
| | 7 | 6.810 | 4.710 | 5.680 | 5.700 |
| | 13 | 5.340 | 4.190 | 4.920 | 5.400 |
| Eos | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.390 | 0.120 | 0.220 | 0.330 |
| | 7 | 0.290 | 0.200 | 0.190 | 0.330 |
| | 13 | 0.170 | 0.110 | 0.100 | 0.210 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): males

group 5
1250 ppm

| | | Animal no | | | |
|------------------|----|-----------|-------|-------|-------|
| | | 17 | 18 | 19 | 20 |
| Baso (G/l) | | | | | |
| week: | -1 | 0.040 | 0.040 | 0.040 | 0.070 |
| | 7 | 0.030 | 0.020 | 0.070 | 0.020 |
| | 13 | 0.020 | 0.020 | 0.040 | 0.030 |
| Lympho (G/l) | | | | | |
| week: | -1 | 4.300 | 3.300 | 4.350 | 3.580 |
| | 7 | 4.200 | 3.480 | 4.450 | 3.330 |
| | 13 | 3.720 | 2.960 | 4.080 | 3.100 |
| Mono (G/l) | | | | | |
| week: | -1 | 0.630 | 0.470 | 0.540 | 0.910 |
| | 7 | 0.880 | 0.680 | 0.430 | 0.890 |
| | 13 | 0.660 | 0.420 | 0.450 | 0.470 |
| Luc (G/l) | | | | | |
| week: | -1 | 0.060 | 0.030 | 0.050 | 0.060 |
| | 7 | 0.060 | 0.030 | 0.050 | 0.030 |
| | 13 | 0.080 | 0.060 | 0.070 | 0.060 |
| Plt (G/l) | | | | | |
| week: | -1 | 309.0 | 315.0 | 330.0 | 225.0 |
| | 7 | 361.0 | 390.0 | 324.0 | 249.0 |
| | 13 | 371.0 | 370.0 | 306.0 | 257.0 |
| PT (CS) (sec) | | | | | |
| week: | -1 | 34.10 | 34.67 | 32.09 | 35.10 |
| | 7 | 36.69 | 33.80 | 32.18 | 35.48 |
| | 13 | 32.48 | 33.13 | 33.80 | 34.12 |

Hematology (individuals): females

group 1
 0 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 21 | 22 | 23 | 24 |
| RBC | | | | | |
| (T/l) | | | | | |
| week: | -1 | 6.320 | 7.220 | 6.930 | 6.260 |
| | 7 | 6.610 | 7.410 | 7.200 | 7.010 |
| | 13 | 6.260 | 7.100 | 6.820 | 6.480 |
| Hb | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 9.000 | 10.50 | 9.700 | 8.400 |
| | 7 | 9.400 | 10.70 | 9.900 | 9.300 |
| | 13 | 9.000 | 10.50 | 9.500 | 8.700 |
| Hct | | | | | |
| (l) | | | | | |
| week: | -1 | 0.427 | 0.495 | 0.462 | 0.407 |
| | 7 | 0.452 | 0.510 | 0.473 | 0.454 |
| | 13 | 0.431 | 0.486 | 0.446 | 0.408 |
| MCV | | | | | |
| (fl) | | | | | |
| week: | -1 | 67.50 | 68.50 | 66.80 | 65.10 |
| | 7 | 68.40 | 68.90 | 65.70 | 64.70 |
| | 13 | 68.80 | 68.50 | 65.50 | 63.10 |
| RDW | | | | | |
| (l) | | | | | |
| week: | -1 | 0.135 | 0.139 | 0.136 | 0.150 |
| | 7 | 0.135 | 0.131 | 0.135 | 0.140 |
| | 13 | 0.127 | 0.128 | 0.130 | 0.136 |
| MCH | | | | | |
| (fmol) | | | | | |
| week: | -1 | 1.420 | 1.450 | 1.400 | 1.350 |
| | 7 | 1.420 | 1.450 | 1.370 | 1.330 |
| | 13 | 1.430 | 1.480 | 1.400 | 1.340 |
| MCHC | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 21.06 | 21.20 | 20.92 | 20.68 |
| | 7 | 20.77 | 20.98 | 20.91 | 20.50 |
| | 13 | 20.84 | 21.66 | 21.33 | 21.21 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 1
0 ppm

| | | Animal no | | | |
|-----------------|----|-----------|-------|-------|-------|
| | | 21 | 22 | 23 | 24 |
| HDW (mmol/l) | | | | | |
| week: | -1 | 1.020 | 1.040 | 1.180 | 1.170 |
| | 7 | 1.100 | 1.150 | 1.220 | 1.190 |
| | 13 | 1.080 | 1.060 | 1.080 | 1.140 |
| Reti (1) | | | | | |
| week: | -1 | 0.024 | 0.020 | 0.015 | 0.026 |
| | 7 | 0.024 | 0.018 | 0.020 | 0.020 |
| | 13 | 0.019 | 0.013 | 0.015 | 0.019 |
| WBC (G/l) | | | | | |
| week: | -1 | 9.610 | 8.780 | 10.41 | 9.650 |
| | 7 | 17.05 | 9.110 | 11.56 | 11.33 |
| | 13 | 14.28 | 9.000 | 10.23 | 9.920 |
| Neut (1) | | | | | |
| week: | -1 | 0.571 | 0.471 | 0.521 | 0.532 |
| | 7 | 0.702 | 0.515 | 0.504 | 0.537 |
| | 13 | 0.669 | 0.563 | 0.552 | 0.611 |
| Eos (1) | | | | | |
| week: | -1 | 0.025 | 0.025 | 0.037 | 0.034 |
| | 7 | 0.024 | 0.017 | 0.030 | 0.037 |
| | 13 | 0.032 | 0.011 | 0.024 | 0.019 |
| Baso (1) | | | | | |
| week: | -1 | 0.005 | 0.005 | 0.008 | 0.005 |
| | 7 | 0.004 | 0.005 | 0.007 | 0.005 |
| | 13 | 0.004 | 0.004 | 0.007 | 0.003 |
| Lympho (1) | | | | | |
| week: | -1 | 0.352 | 0.459 | 0.378 | 0.389 |
| | 7 | 0.207 | 0.414 | 0.412 | 0.378 |
| | 13 | 0.246 | 0.379 | 0.354 | 0.322 |

Hematology (individuals): females

group 1
 0 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 21 | 22 | 23 | 24 |
| Mono | | | | | |
| (1) | | | | | |
| week: | -1 | 0.043 | 0.037 | 0.051 | 0.038 |
| | 7 | 0.060 | 0.042 | 0.045 | 0.038 |
| | 13 | 0.042 | 0.037 | 0.055 | 0.037 |
| Luc | | | | | |
| (1) | | | | | |
| week: | -1 | 0.005 | 0.003 | 0.005 | 0.003 |
| | 7 | 0.003 | 0.006 | 0.003 | 0.005 |
| | 13 | 0.007 | 0.006 | 0.008 | 0.008 |
| Neut | | | | | |
| (G/l) | | | | | |
| week: | -1 | 5.490 | 4.130 | 5.420 | 5.130 |
| | 7 | 11.96 | 4.690 | 5.830 | 6.090 |
| | 13 | 9.560 | 5.070 | 5.650 | 6.070 |
| Eos | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.240 | 0.220 | 0.390 | 0.320 |
| | 7 | 0.410 | 0.160 | 0.350 | 0.420 |
| | 13 | 0.460 | 0.100 | 0.240 | 0.180 |
| Baso | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.050 | 0.050 | 0.080 | 0.050 |
| | 7 | 0.070 | 0.050 | 0.080 | 0.050 |
| | 13 | 0.050 | 0.040 | 0.070 | 0.020 |
| Lympho | | | | | |
| (G/l) | | | | | |
| week: | -1 | 3.390 | 4.030 | 3.940 | 3.750 |
| | 7 | 3.520 | 3.770 | 4.760 | 4.290 |
| | 13 | 3.510 | 3.410 | 3.620 | 3.200 |
| Mono | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.420 | 0.330 | 0.530 | 0.370 |
| | 7 | 1.030 | 0.390 | 0.520 | 0.430 |
| | 13 | 0.600 | 0.330 | 0.560 | 0.370 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 1
0 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 21 | 22 | 23 | 24 |
| Luc | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.040 | 0.030 | 0.060 | 0.030 |
| | 7 | 0.050 | 0.050 | 0.030 | 0.060 |
| | 13 | 0.100 | 0.050 | 0.080 | 0.080 |
| Plt | | | | | |
| (G/l) | | | | | |
| week: | -1 | 240.0 | 272.0 | 363.0 | 268.0 |
| | 7 | 288.0 | 293.0 | 320.0 | 321.0 |
| | 13 | 261.0 | 292.0 | 352.0 | 293.0 |
| PT(CS) | | | | | |
| (sec) | | | | | |
| week: | -1 | 31.68 | 33.84 | 33.26 | 32.54 |
| | 7 | 30.19 | 32.79 | 32.33 | 29.04 |
| | 13 | 33.21 | 33.15 | 28.88 | 29.54 |

Hematology (individuals): females

group 2
50 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 25 | 26 | 27 | 28 |
| RBC | | | | | |
| (T/l) | | | | | |
| week: | -1 | 7.060 | 7.560 | 6.080 | 6.320 |
| | 7 | 7.800 | 7.250 | 6.460 | 6.890 |
| | 13 | 7.800 | 6.820 | 6.250 | 6.700 |
| Hb | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 9.800 | 10.65 | 8.900 | 8.800 |
| | 7 | 10.90 | 10.30 | 9.200 | 9.500 |
| | 13 | 11.00 | 9.800 | 9.000 | 9.300 |
| Hct | | | | | |
| (l) | | | | | |
| week: | -1 | 0.474 | 0.516 | 0.420 | 0.425 |
| | 7 | 0.517 | 0.489 | 0.438 | 0.463 |
| | 13 | 0.513 | 0.452 | 0.416 | 0.440 |

Hematology (individuals): females

group 2
 50 ppm

| | | Animal no | | | |
|-------|----------|-----------|-------|-------|-------|
| | | 25 | 26 | 27 | 28 |
| MCV | (fl) | | | | |
| week: | -1 | 67.20 | 68.20 | 69.10 | 67.30 |
| | 7 | 66.30 | 67.50 | 67.80 | 67.20 |
| | 13 | 65.90 | 66.30 | 66.60 | 65.60 |
| RDW | (1) | | | | |
| week: | -1 | 0.157 | 0.147 | 0.143 | 0.140 |
| | 7 | 0.141 | 0.137 | 0.133 | 0.133 |
| | 13 | 0.133 | 0.135 | 0.137 | 0.135 |
| MCH | (fmol) | | | | |
| week: | -1 | 1.390 | 1.405 | 1.460 | 1.390 |
| | 7 | 1.400 | 1.420 | 1.420 | 1.370 |
| | 13 | 1.410 | 1.430 | 1.450 | 1.390 |
| MCHC | (mmol/l) | | | | |
| week: | -1 | 20.71 | 20.66 | 21.21 | 20.72 |
| | 7 | 21.08 | 21.05 | 20.99 | 20.44 |
| | 13 | 21.41 | 21.58 | 21.70 | 21.18 |
| HDW | (mmol/l) | | | | |
| week: | -1 | 1.020 | 1.105 | 1.190 | 1.100 |
| | 7 | 1.140 | 1.170 | 1.210 | 1.220 |
| | 13 | 1.060 | 1.100 | 1.150 | 1.130 |
| Reti | (1) | | | | |
| week: | -1 | 0.013 | 0.025 | 0.025 | 0.028 |
| | 7 | 0.013 | 0.016 | 0.022 | 0.028 |
| | 13 | 0.011 | 0.014 | 0.014 | 0.024 |
| WBC | (G/l) | | | | |
| week: | -1 | 8.490 | 20.33 | 11.88 | 11.55 |
| | 7 | 7.410 | 12.02 | 12.26 | 13.28 |
| | 13 | 7.310 | 11.71 | 10.58 | 12.63 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 2
50 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 25 | 26 | 27 | 28 |
| Neut | | | | | |
| (1) | | | | | |
| week: | -1 | 0.551 | 0.756 | 0.550 | 0.608 |
| | 7 | 0.548 | 0.622 | 0.630 | 0.643 |
| | 13 | 0.566 | 0.650 | 0.666 | 0.618 |
| Eos | | | | | |
| (1) | | | | | |
| week: | -1 | 0.010 | 0.007 | 0.030 | 0.029 |
| | 7 | 0.035 | 0.015 | 0.013 | 0.020 |
| | 13 | 0.010 | 0.014 | 0.022 | 0.024 |
| Baso | | | | | |
| (1) | | | | | |
| week: | -1 | 0.008 | 0.002 | 0.003 | 0.005 |
| | 7 | 0.012 | 0.005 | 0.003 | 0.004 |
| | 13 | 0.009 | 0.003 | 0.003 | 0.004 |
| Lympho | | | | | |
| (1) | | | | | |
| week: | -1 | 0.376 | 0.149 | 0.381 | 0.303 |
| | 7 | 0.366 | 0.316 | 0.317 | 0.291 |
| | 13 | 0.369 | 0.280 | 0.266 | 0.305 |
| Mono | | | | | |
| (1) | | | | | |
| week: | -1 | 0.050 | 0.084 | 0.033 | 0.050 |
| | 7 | 0.031 | 0.039 | 0.035 | 0.038 |
| | 13 | 0.039 | 0.045 | 0.036 | 0.041 |
| Luc | | | | | |
| (1) | | | | | |
| week: | -1 | 0.006 | 0.004 | 0.002 | 0.006 |
| | 7 | 0.007 | 0.003 | 0.002 | 0.005 |
| | 13 | 0.007 | 0.008 | 0.005 | 0.008 |
| Neut | | | | | |
| (G/l) | | | | | |
| week: | -1 | 4.680 | 15.36 | 6.540 | 7.020 |
| | 7 | 4.060 | 7.480 | 7.720 | 8.530 |
| | 13 | 4.140 | 7.620 | 7.050 | 7.800 |

Hematology (individuals): females

group 2
 50 ppm

| | | Animal no | | | |
|-----------------|----|-----------|-------|-------|-------|
| | | 25 | 26 | 27 | 28 |
| Eos (G/l) | | | | | |
| week: | -1 | 0.080 | 0.125 | 0.360 | 0.340 |
| | 7 | 0.260 | 0.180 | 0.160 | 0.260 |
| | 13 | 0.070 | 0.160 | 0.240 | 0.300 |
| Baso (G/l) | | | | | |
| week: | -1 | 0.060 | 0.050 | 0.040 | 0.060 |
| | 7 | 0.090 | 0.050 | 0.040 | 0.050 |
| | 13 | 0.070 | 0.040 | 0.040 | 0.060 |
| Lympho (G/l) | | | | | |
| week: | -1 | 3.190 | 3.030 | 4.520 | 3.490 |
| | 7 | 2.720 | 3.790 | 3.880 | 3.870 |
| | 13 | 2.700 | 3.270 | 2.820 | 3.850 |
| Mono (G/l) | | | | | |
| week: | -1 | 0.420 | 1.700 | 0.390 | 0.570 |
| | 7 | 0.230 | 0.470 | 0.430 | 0.500 |
| | 13 | 0.280 | 0.530 | 0.390 | 0.520 |
| Luc (G/l) | | | | | |
| week: | -1 | 0.050 | 0.070 | 0.030 | 0.070 |
| | 7 | 0.050 | 0.040 | 0.020 | 0.060 |
| | 13 | 0.050 | 0.090 | 0.060 | 0.110 |
| Plt (G/l) | | | | | |
| week: | -1 | 244.0 | 300.0 | 370.0 | 271.0 |
| | 7 | 248.0 | 289.0 | 470.0 | 305.0 |
| | 13 | 241.0 | 284.0 | 375.0 | 283.0 |
| PT(CS) (sec) | | | | | |
| week: | -1 | 38.84 | 34.56 | 27.41 | 29.93 |
| | 7 | 37.52 | 36.59 | 28.60 | 27.74 |
| | 13 | 36.51 | 34.46 | 28.31 | 29.33 |

Hematology (individuals): females

group 3
 125 ppm

| | | 29 | 30 | 31 | 32 |
|------------------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| RBC (T/l) | | | | | |
| week: | -1 | 6.770 | 6.810 | 6.585 | 6.290 |
| | 7 | 6.930 | 6.910 | 6.480 | 6.510 |
| | 13 | 6.690 | 6.560 | 6.560 | 6.470 |
| Hb (mmol/l) | | | | | |
| week: | -1 | 9.800 | 9.600 | 9.600 | 8.600 |
| | 7 | 10.00 | 9.700 | 9.400 | 8.800 |
| | 13 | 9.800 | 9.300 | 9.500 | 9.000 |
| Hct (l) | | | | | |
| week: | -1 | 0.467 | 0.459 | 0.458 | 0.408 |
| | 7 | 0.470 | 0.461 | 0.446 | 0.420 |
| | 13 | 0.450 | 0.429 | 0.447 | 0.413 |
| MCV (fl) | | | | | |
| week: | -1 | 69.00 | 67.30 | 69.45 | 64.80 |
| | 7 | 67.70 | 66.70 | 68.90 | 64.40 |
| | 13 | 67.30 | 65.40 | 68.20 | 63.80 |
| RDW (l) | | | | | |
| week: | -1 | 0.140 | 0.143 | 0.145 | 0.140 |
| | 7 | 0.122 | 0.140 | 0.133 | 0.136 |
| | 13 | 0.130 | 0.130 | 0.137 | 0.134 |
| MCH (fmol) | | | | | |
| week: | -1 | 1.450 | 1.410 | 1.460 | 1.370 |
| | 7 | 1.440 | 1.400 | 1.450 | 1.350 |
| | 13 | 1.460 | 1.420 | 1.460 | 1.390 |
| MCHC (mmol/l) | | | | | |
| week: | -1 | 21.04 | 20.89 | 20.98 | 21.11 |
| | 7 | 21.33 | 20.95 | 21.02 | 21.03 |
| | 13 | 21.72 | 21.75 | 21.35 | 21.76 |

Hematology (individuals): females

group 3
 125 ppm

| | | 29 | 30 | 31 | 32 | Animal no |
|----------|----|-------|-------|-------|-------|-----------|
| HDW | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 1.060 | 1.140 | 1.045 | 1.010 | |
| | 7 | 1.040 | 1.210 | 1.040 | 1.220 | |
| | 13 | 1.060 | 1.120 | 1.090 | 1.090 | |
| Reti | | | | | | |
| (1) | | | | | | |
| week: | -1 | 0.023 | 0.027 | 0.026 | 0.015 | |
| | 7 | 0.014 | 0.028 | 0.013 | 0.013 | |
| | 13 | 0.017 | 0.020 | 0.015 | 0.010 | |
| WBC | | | | | | |
| (G/l) | | | | | | |
| week: | -1 | 9.090 | 8.600 | 11.16 | 8.930 | |
| | 7 | 8.850 | 7.700 | 11.33 | 9.070 | |
| | 13 | 8.190 | 7.810 | 13.31 | 7.920 | |
| Neut | | | | | | |
| (1) | | | | | | |
| week: | -1 | 0.521 | 0.546 | 0.583 | 0.524 | |
| | 7 | 0.581 | 0.538 | 0.598 | 0.558 | |
| | 13 | 0.517 | 0.561 | 0.655 | 0.621 | |
| Eos | | | | | | |
| (1) | | | | | | |
| week: | -1 | 0.029 | 0.013 | 0.013 | 0.044 | |
| | 7 | 0.033 | 0.024 | 0.010 | 0.029 | |
| | 13 | 0.040 | 0.018 | 0.010 | 0.013 | |
| Baso | | | | | | |
| (1) | | | | | | |
| week: | -1 | 0.005 | 0.005 | 0.004 | 0.006 | |
| | 7 | 0.004 | 0.003 | 0.003 | 0.004 | |
| | 13 | 0.004 | 0.003 | 0.003 | 0.005 | |
| Lympho | | | | | | |
| (1) | | | | | | |
| week: | -1 | 0.390 | 0.390 | 0.365 | 0.364 | |
| | 7 | 0.335 | 0.402 | 0.343 | 0.343 | |
| | 13 | 0.384 | 0.375 | 0.285 | 0.300 | |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 3
125 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 29 | 30 | 31 | 32 |
| Mono | | | | | |
| (1) | | | | | |
| week: | -1 | 0.050 | 0.042 | 0.033 | 0.057 |
| | 7 | 0.046 | 0.030 | 0.044 | 0.062 |
| | 13 | 0.045 | 0.039 | 0.041 | 0.052 |
| Luc | | | | | |
| (1) | | | | | |
| week: | -1 | 0.005 | 0.004 | 0.004 | 0.004 |
| | 7 | 0.002 | 0.003 | 0.002 | 0.004 |
| | 13 | 0.010 | 0.005 | 0.005 | 0.008 |
| Neut | | | | | |
| (G/l) | | | | | |
| week: | -1 | 4.730 | 4.700 | 6.505 | 4.680 |
| | 7 | 5.150 | 4.140 | 6.770 | 5.060 |
| | 13 | 4.230 | 4.380 | 8.720 | 4.920 |
| Eos | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.260 | 0.110 | 0.140 | 0.400 |
| | 7 | 0.290 | 0.180 | 0.120 | 0.260 |
| | 13 | 0.330 | 0.140 | 0.140 | 0.100 |
| Baso | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.040 | 0.040 | 0.040 | 0.060 |
| | 7 | 0.030 | 0.020 | 0.030 | 0.040 |
| | 13 | 0.040 | 0.030 | 0.040 | 0.040 |
| Lympho | | | | | |
| (G/l) | | | | | |
| week: | -1 | 3.550 | 3.360 | 4.075 | 3.250 |
| | 7 | 2.960 | 3.100 | 3.880 | 3.110 |
| | 13 | 3.140 | 2.930 | 3.800 | 2.380 |
| Mono | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.460 | 0.360 | 0.365 | 0.510 |
| | 7 | 0.410 | 0.230 | 0.500 | 0.560 |
| | 13 | 0.370 | 0.300 | 0.550 | 0.410 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 3
125 ppm

| | | Animal no | | | |
|------------------|----|-----------|-------|-------|-------|
| | | 29 | 30 | 31 | 32 |
| Luc (G/l) | | | | | |
| week: | -1 | 0.050 | 0.040 | 0.035 | 0.040 |
| | 7 | 0.020 | 0.020 | 0.020 | 0.040 |
| | 13 | 0.080 | 0.040 | 0.070 | 0.070 |
| Plt (G/l) | | | | | |
| week: | -1 | 213.0 | 228.0 | 215.5 | 238.0 |
| | 7 | 248.0 | 223.0 | 222.0 | 283.0 |
| | 13 | 234.0 | 209.0 | 278.0 | 259.0 |
| PT (CS) (sec) | | | | | |
| week: | -1 | 34.24 | 30.94 | 27.09 | 38.10 |
| | 7 | 33.33 | 27.97 | 28.40 | 36.11 |
| | 13 | 36.22 | 30.40 | 28.67 | 34.26 |

Hematology (individuals): females

group 4
250 ppm

| | | Animal no | | | |
|----------------|----|-----------|-------|-------|-------|
| | | 33 | 34 | 35 | 36 |
| RBC (T/l) | | | | | |
| week: | -1 | 6.780 | 7.010 | 6.370 | 6.820 |
| | 7 | 6.960 | 7.400 | 7.200 | 6.580 |
| | 13 | 6.710 | 6.870 | 6.960 | 6.780 |
| Hb (mmol/l) | | | | | |
| week: | -1 | 10.10 | 9.300 | 9.000 | 9.800 |
| | 7 | 10.10 | 9.800 | 9.900 | 9.500 |
| | 13 | 9.900 | 9.300 | 9.700 | 9.900 |
| Hct (l) | | | | | |
| week: | -1 | 0.474 | 0.441 | 0.425 | 0.473 |
| | 7 | 0.484 | 0.473 | 0.475 | 0.457 |
| | 13 | 0.461 | 0.437 | 0.449 | 0.463 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 4
250 ppm

| | | Animal no | | | |
|-------|----------|-----------|-------|-------|-------|
| | | 33 | 34 | 35 | 36 |
| MCV | (fl) | | | | |
| week: | -1 | 69.90 | 62.95 | 66.70 | 69.40 |
| | 7 | 69.50 | 63.90 | 66.00 | 69.50 |
| | 13 | 68.70 | 63.60 | 64.40 | 68.30 |
| RDW | (1) | | | | |
| week: | -1 | 0.137 | 0.148 | 0.140 | 0.146 |
| | 7 | 0.130 | 0.142 | 0.133 | 0.137 |
| | 13 | 0.130 | 0.138 | 0.132 | 0.134 |
| MCH | (fmol) | | | | |
| week: | -1 | 1.490 | 1.330 | 1.410 | 1.440 |
| | 7 | 1.440 | 1.330 | 1.380 | 1.450 |
| | 13 | 1.480 | 1.360 | 1.390 | 1.450 |
| MCHC | (mmol/l) | | | | |
| week: | -1 | 21.24 | 21.15 | 21.19 | 20.71 |
| | 7 | 20.76 | 20.79 | 20.85 | 20.86 |
| | 13 | 21.58 | 21.35 | 21.63 | 21.28 |
| HDW | (mmol/l) | | | | |
| week: | -1 | 1.010 | 1.095 | 1.050 | 1.120 |
| | 7 | 1.100 | 1.200 | 1.080 | 1.190 |
| | 13 | 1.050 | 1.080 | 1.110 | 1.120 |
| Reti | (1) | | | | |
| week: | -1 | 0.024 | 0.018 | 0.015 | 0.019 |
| | 7 | 0.017 | 0.016 | 0.011 | 0.018 |
| | 13 | 0.018 | 0.018 | 0.009 | 0.015 |
| WBC | (G/l) | | | | |
| week: | -1 | 11.21 | 10.68 | 8.030 | 9.420 |
| | 7 | 9.110 | 12.25 | 7.050 | 8.720 |
| | 13 | 7.710 | 14.58 | 7.240 | 7.390 |

Hematology (individuals): females

group 4
 250 ppm

| | | Animal no | | | |
|--------|----|-----------|-------|-------|-------|
| | | 33 | 34 | 35 | 36 |
| Neut | | | | | |
| (1) | | | | | |
| week: | -1 | 0.518 | 0.421 | 0.568 | 0.589 |
| | 7 | 0.501 | 0.483 | 0.585 | 0.516 |
| | 13 | 0.491 | 0.611 | 0.633 | 0.586 |
| Eos | | | | | |
| (1) | | | | | |
| week: | -1 | 0.030 | 0.018 | 0.043 | 0.042 |
| | 7 | 0.043 | 0.022 | 0.055 | 0.086 |
| | 13 | 0.036 | 0.012 | 0.021 | 0.050 |
| Baso | | | | | |
| (1) | | | | | |
| week: | -1 | 0.004 | 0.006 | 0.005 | 0.004 |
| | 7 | 0.004 | 0.005 | 0.005 | 0.006 |
| | 13 | 0.004 | 0.004 | 0.004 | 0.003 |
| Lympho | | | | | |
| (1) | | | | | |
| week: | -1 | 0.387 | 0.524 | 0.329 | 0.325 |
| | 7 | 0.391 | 0.448 | 0.294 | 0.332 |
| | 13 | 0.411 | 0.332 | 0.284 | 0.313 |
| Mono | | | | | |
| (1) | | | | | |
| week: | -1 | 0.056 | 0.028 | 0.049 | 0.037 |
| | 7 | 0.059 | 0.040 | 0.059 | 0.057 |
| | 13 | 0.051 | 0.035 | 0.053 | 0.044 |
| Luc | | | | | |
| (1) | | | | | |
| week: | -1 | 0.005 | 0.004 | 0.006 | 0.003 |
| | 7 | 0.003 | 0.003 | 0.002 | 0.003 |
| | 13 | 0.006 | 0.006 | 0.005 | 0.004 |
| Neut | | | | | |
| (G/l) | | | | | |
| week: | -1 | 5.810 | 4.490 | 4.560 | 5.550 |
| | 7 | 4.560 | 5.910 | 4.120 | 4.500 |
| | 13 | 3.780 | 8.910 | 4.580 | 4.330 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 4
250 ppm

| | | 33 | 34 | 35 | 36 |
|--------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| Eos | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.330 | 0.190 | 0.350 | 0.390 |
| | 7 | 0.390 | 0.270 | 0.390 | 0.750 |
| | 13 | 0.280 | 0.170 | 0.150 | 0.370 |
| Baso | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.050 | 0.060 | 0.040 | 0.040 |
| | 7 | 0.040 | 0.060 | 0.030 | 0.050 |
| | 13 | 0.030 | 0.060 | 0.030 | 0.020 |
| Lympho | | | | | |
| (G/l) | | | | | |
| week: | -1 | 4.340 | 5.590 | 2.640 | 3.060 |
| | 7 | 3.560 | 5.490 | 2.070 | 2.890 |
| | 13 | 3.170 | 4.830 | 2.060 | 2.320 |
| Mono | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.620 | 0.300 | 0.400 | 0.350 |
| | 7 | 0.530 | 0.490 | 0.420 | 0.500 |
| | 13 | 0.390 | 0.520 | 0.390 | 0.320 |
| Luc | | | | | |
| (G/l) | | | | | |
| week: | -1 | 0.060 | 0.045 | 0.050 | 0.030 |
| | 7 | 0.030 | 0.040 | 0.020 | 0.030 |
| | 13 | 0.050 | 0.090 | 0.040 | 0.030 |
| Plt | | | | | |
| (G/l) | | | | | |
| week: | -1 | 252.0 | 320.0 | 222.0 | 234.0 |
| | 7 | 318.0 | 370.0 | 269.0 | 264.0 |
| | 13 | 329.0 | 421.0 | 197.0 | 267.0 |
| PT(CS) | | | | | |
| (sec) | | | | | |
| week: | -1 | 29.61 | 31.66 | 32.16 | 32.37 |
| | 7 | 30.14 | 31.39 | 28.74 | 30.23 |
| | 13 | 31.98 | 31.78 | 29.16 | 30.02 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 5
1250 ppm

| | | Animal no | | | |
|------------------|----|-----------|-------|-------|-------|
| | | 37 | 38 | 39 | 40 |
| RBC (T/l) | | | | | |
| week: | -1 | 7.000 | 6.930 | 6.520 | 6.690 |
| | 7 | 7.000 | 7.090 | 6.580 | 6.470 |
| | 13 | 7.080 | 6.670 | 6.450 | 6.240 |
| Hb (mmol/l) | | | | | |
| week: | -1 | 9.900 | 9.000 | 9.300 | 9.300 |
| | 7 | 9.800 | 9.300 | 9.100 | 9.100 |
| | 13 | 10.20 | 9.200 | 9.000 | 8.900 |
| Hct (l) | | | | | |
| week: | -1 | 0.474 | 0.438 | 0.442 | 0.453 |
| | 7 | 0.468 | 0.450 | 0.434 | 0.441 |
| | 13 | 0.474 | 0.424 | 0.427 | 0.419 |
| MCV (fl) | | | | | |
| week: | -1 | 67.60 | 63.10 | 67.70 | 67.60 |
| | 7 | 66.80 | 63.50 | 66.00 | 68.20 |
| | 13 | 67.00 | 63.70 | 66.30 | 67.20 |
| RDW (l) | | | | | |
| week: | -1 | 0.145 | 0.161 | 0.139 | 0.142 |
| | 7 | 0.137 | 0.149 | 0.134 | 0.130 |
| | 13 | 0.139 | 0.142 | 0.134 | 0.127 |
| MCH (fmol) | | | | | |
| week: | -1 | 1.410 | 1.310 | 1.420 | 1.390 |
| | 7 | 1.400 | 1.310 | 1.380 | 1.400 |
| | 13 | 1.440 | 1.380 | 1.390 | 1.420 |
| MCHC (mmol/l) | | | | | |
| week: | -1 | 20.83 | 20.68 | 20.97 | 20.55 |
| | 7 | 20.90 | 20.58 | 20.87 | 20.52 |
| | 13 | 21.51 | 21.66 | 20.98 | 21.17 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 5
1250 ppm

| | | Animal no | | | |
|-----------------|----|-----------|-------|-------|-------|
| | | 37 | 38 | 39 | 40 |
| HDW (mmol/l) | | | | | |
| week: | -1 | 1.120 | 1.260 | 1.010 | 1.000 |
| | 7 | 1.090 | 1.250 | 1.060 | 1.070 |
| | 13 | 1.150 | 1.250 | 1.050 | 0.950 |
| Reti (1) | | | | | |
| week: | -1 | 0.025 | 0.024 | 0.017 | 0.022 |
| | 7 | 0.016 | 0.016 | 0.027 | 0.020 |
| | 13 | 0.017 | 0.018 | 0.011 | 0.014 |
| WBC (G/l) | | | | | |
| week: | -1 | 9.260 | 11.98 | 9.250 | 11.54 |
| | 7 | 10.14 | 11.05 | 11.23 | 11.86 |
| | 13 | 10.74 | 11.73 | 8.750 | 11.58 |
| Neut (1) | | | | | |
| week: | -1 | 0.632 | 0.566 | 0.553 | 0.524 |
| | 7 | 0.641 | 0.536 | 0.665 | 0.586 |
| | 13 | 0.645 | 0.563 | 0.631 | 0.608 |
| Eos (1) | | | | | |
| week: | -1 | 0.051 | 0.018 | 0.018 | 0.036 |
| | 7 | 0.045 | 0.019 | 0.011 | 0.032 |
| | 13 | 0.051 | 0.017 | 0.018 | 0.029 |
| Baso (1) | | | | | |
| week: | -1 | 0.006 | 0.003 | 0.008 | 0.007 |
| | 7 | 0.004 | 0.004 | 0.002 | 0.006 |
| | 13 | 0.004 | 0.004 | 0.003 | 0.005 |
| Lympho (1) | | | | | |
| week: | -1 | 0.272 | 0.361 | 0.355 | 0.391 |
| | 7 | 0.279 | 0.407 | 0.259 | 0.317 |
| | 13 | 0.266 | 0.375 | 0.287 | 0.298 |

Hematology (individuals): females

group 5
 1250 ppm

| | | 37 | 38 | 39 | 40 |
|-----------------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| Mono (1) | | | | | |
| week: | -1 | 0.034 | 0.048 | 0.061 | 0.036 |
| | 7 | 0.029 | 0.031 | 0.061 | 0.055 |
| | 13 | 0.031 | 0.034 | 0.055 | 0.053 |
| Luc (1) | | | | | |
| week: | -1 | 0.005 | 0.003 | 0.005 | 0.006 |
| | 7 | 0.002 | 0.003 | 0.002 | 0.004 |
| | 13 | 0.004 | 0.006 | 0.006 | 0.008 |
| Neut (G/l) | | | | | |
| week: | -1 | 5.850 | 6.780 | 5.110 | 6.040 |
| | 7 | 6.500 | 5.920 | 7.460 | 6.950 |
| | 13 | 6.920 | 6.610 | 5.520 | 7.030 |
| Eos (G/l) | | | | | |
| week: | -1 | 0.470 | 0.210 | 0.170 | 0.420 |
| | 7 | 0.460 | 0.210 | 0.130 | 0.380 |
| | 13 | 0.550 | 0.200 | 0.160 | 0.340 |
| Baso (G/l) | | | | | |
| week: | -1 | 0.060 | 0.040 | 0.070 | 0.090 |
| | 7 | 0.040 | 0.040 | 0.020 | 0.070 |
| | 13 | 0.040 | 0.050 | 0.030 | 0.050 |
| Lympho (G/l) | | | | | |
| week: | -1 | 2.520 | 4.330 | 3.280 | 4.520 |
| | 7 | 2.830 | 4.500 | 2.900 | 3.760 |
| | 13 | 2.850 | 4.400 | 2.510 | 3.440 |
| Mono (G/l) | | | | | |
| week: | -1 | 0.320 | 0.580 | 0.570 | 0.410 |
| | 7 | 0.290 | 0.340 | 0.680 | 0.650 |
| | 13 | 0.330 | 0.400 | 0.480 | 0.620 |

Test No.: 943128

Test Article: CGA 329351 tech.

Hematology (individuals): females

group 5
1250 ppm

| | | 37 | 38 | 39 | 40 |
|------------------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| Luc (G/l) | | | | | |
| week: | -1 | 0.050 | 0.040 | 0.050 | 0.060 |
| | 7 | 0.020 | 0.040 | 0.020 | 0.050 |
| | 13 | 0.040 | 0.070 | 0.050 | 0.090 |
| Plt (G/l) | | | | | |
| week: | -1 | 248.0 | 298.0 | 284.0 | 283.0 |
| | 7 | 264.0 | 355.0 | 316.0 | 349.0 |
| | 13 | 279.0 | 330.0 | 311.0 | 353.0 |
| PT (CS) (sec) | | | | | |
| week: | -1 | 33.27 | 32.83 | 28.70 | 32.21 |
| | 7 | 28.64 | 30.95 | 25.55 | 31.10 |
| | 13 | 30.76 | 31.71 | 27.08 | 34.30 |

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Test No.: 943128

Test Article: CGA 329351 tech.

6.8. Blood chemistry (individuals)

Blood chemistry (individuals): males

group 1
0 ppm

| | | 1 | 2 | 3 | 4 |
|----------------------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| Gluc (mmol/l) | | | | | |
| week: | -1 | 5.630 | 5.810 | 5.230 | 6.020 |
| | 7 | 5.550 | 6.040 | 5.540 | 5.670 |
| | 13 | 5.890 | 6.360 | 5.130 | 5.900 |
| Urea (mmol/l) | | | | | |
| week: | -1 | 3.470 | 4.290 | 3.340 | 1.980 |
| | 7 | 3.220 | 4.230 | 3.710 | 2.770 |
| | 13 | 3.770 | 5.260 | 3.980 | 2.770 |
| Creat-e (umol/l) | | | | | |
| week: | -1 | 65.90 | 68.70 | 65.30 | 64.30 |
| | 7 | 58.50 | 66.80 | 67.60 | 63.80 |
| | 13 | 65.70 | 81.30 | 71.20 | 77.40 |
| Bili-tot (umol/l) | | | | | |
| week: | -1 | 1.480 | 1.670 | 2.140 | 2.140 |
| | 7 | 2.200 | 2.690 | 2.450 | 2.200 |
| | 13 | 2.200 | 3.180 | 2.940 | 2.450 |
| Prot (g/l) | | | | | |
| week: | -1 | 54.61 | 52.58 | 54.66 | 55.11 |
| | 7 | 59.01 | 53.90 | 53.19 | 55.86 |
| | 13 | 62.26 | 53.94 | 56.80 | 57.89 |
| Alb (g/l) | | | | | |
| week: | -1 | 30.90 | 31.71 | 30.68 | 31.41 |
| | 7 | 33.04 | 31.50 | 30.25 | 31.12 |
| | 13 | 34.84 | 32.49 | 31.43 | 32.75 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): males

group 1
0 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 |
| Glob | | | | | |
| (g/l) | | | | | |
| week: | -1 | 23.71 | 20.87 | 23.98 | 23.70 |
| | 7 | 25.97 | 22.40 | 22.94 | 24.74 |
| | 13 | 27.42 | 21.45 | 25.37 | 25.14 |
| A/G | | | | | |
| (1) | | | | | |
| week: | -1 | 1.300 | 1.520 | 1.280 | 1.330 |
| | 7 | 1.270 | 1.410 | 1.320 | 1.260 |
| | 13 | 1.270 | 1.510 | 1.240 | 1.300 |
| Chol | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 3.780 | 4.190 | 4.740 | 4.850 |
| | 7 | 3.810 | 4.080 | 4.920 | 5.500 |
| | 13 | 3.620 | 3.850 | 4.530 | 5.170 |
| Trigly | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 0.490 | 0.310 | 0.480 | 0.440 |
| | 7 | 0.380 | 0.310 | 0.510 | 0.430 |
| | 13 | 0.340 | 0.180 | 0.320 | 0.330 |
| Phos-Lip | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 4.460 | 4.850 | 5.480 | 5.675 |
| | 7 | 4.600 | 4.660 | 5.320 | 5.780 |
| | 13 | 4.450 | 4.470 | 5.040 | 5.730 |
| Na+ | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 149.7 | 147.7 | 146.5 | 146.5 |
| | 7 | 148.4 | 147.5 | 145.9 | 146.7 |
| | 13 | 151.5 | 146.8 | 146.3 | 145.3 |
| K+ | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 5.190 | 4.580 | 4.180 | 4.430 |
| | 7 | 4.710 | 4.710 | 4.500 | 4.400 |
| | 13 | 5.410 | 4.830 | 4.220 | 4.480 |

Blood chemistry (individuals): males

group 1
 0 ppm

| | Animal no | | | |
|---------------------------------|-----------|-------|-------|-------|
| | 1 | 2 | 3 | 4 |
| Ca ⁺⁺ (mmol/l) | | | | |
| week: -1 | 2.840 | 2.810 | 2.790 | 2.860 |
| 7 | 2.990 | 2.970 | 2.840 | 2.930 |
| 13 | 2.860 | 2.730 | 2.790 | 2.750 |
| Cl ⁻ (mmol/l) | | | | |
| week: -1 | 111.8 | 109.8 | 108.9 | 108.2 |
| 7 | 107.7 | 109.1 | 108.4 | 107.0 |
| 13 | 114.5 | 114.6 | 113.2 | 111.4 |
| PO ₄ -in (mmol/l) | | | | |
| week: -1 | 2.440 | 2.100 | 2.150 | 2.170 |
| 7 | 2.110 | 1.960 | 1.860 | 2.000 |
| 13 | 1.660 | 1.640 | 1.700 | 1.670 |
| ASAT (GOT) (U/l) | | | | |
| week: -1 | 22.40 | 23.60 | 15.50 | 13.65 |
| 7 | 24.90 | 24.90 | 22.40 | 19.90 |
| 13 | 21.70 | 21.70 | 19.90 | 20.50 |
| ALAT (GPT) (U/l) | | | | |
| week: -1 | 45.20 | 46.70 | 77.75 | 30.40 |
| 7 | 35.50 | 64.40 | 129.2 | 38.50 |
| 13 | 47.40 | 53.30 | 156.6 | 36.30 |
| ALP (U/l) | | | | |
| week: -1 | 70.10 | 105.9 | 84.20 | 110.4 |
| 7 | 50.55 | 80.00 | 83.70 | 107.6 |
| 13 | 38.00 | 60.30 | 73.20 | 88.50 |
| GGT (U/l) | | | | |
| week: -1 | 3.200 | 3.200 | 4.500 | 5.100 |
| 7 | 0.000 | 0.000 | 5.100 | 0.000 |
| 13 | 3.800 | 3.200 | 5.700 | 3.800 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): males

group 1
0 ppm

| | | Animal no | | | |
|-------|----|-----------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 |
| CK | | | | | |
| (U/l) | | | | | |
| week: | -1 | 212.0 | 217.3 | 172.8 | 148.4 |
| | 7 | 234.3 | 156.9 | 155.8 | 168.5 |
| | 13 | 154.8 | 128.3 | 128.3 | 181.3 |

Blood chemistry (individuals): males

group 2
50 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 5 | 6 | 7 | 8 |
| Gluc | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 5.740 | 6.610 | 5.430 | 6.040 |
| | 7 | 5.630 | 6.040 | 5.350 | 5.820 |
| | 13 | 5.410 | 5.740 | 5.350 | 6.120 |
| Urea | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 3.070 | 3.040 | 3.010 | 3.250 |
| | 7 | 3.400 | 3.800 | 3.070 | 2.580 |
| | 13 | 3.620 | 3.980 | 3.560 | 3.340 |
| Creat-e | | | | | |
| (umol/l) | | | | | |
| week: | -1 | 69.30 | 73.30 | 70.20 | 65.60 |
| | 7 | 74.30 | 74.30 | 70.10 | 68.80 |
| | 13 | 76.50 | 81.60 | 80.00 | 73.50 |
| Bili-tot | | | | | |
| (umol/l) | | | | | |
| week: | -1 | 2.140 | 2.860 | 2.380 | 2.140 |
| | 7 | 2.690 | 3.670 | 2.200 | 2.450 |
| | 13 | 2.690 | 3.920 | 2.450 | 2.690 |
| Prot | | | | | |
| (g/l) | | | | | |
| week: | -1 | 51.65 | 58.15 | 54.10 | 57.50 |
| | 7 | 55.61 | 59.83 | 56.97 | 55.69 |
| | 13 | 56.12 | 60.26 | 61.29 | 61.26 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): males

group 2
50 ppm

| | | Animal no | | | |
|----------------------|----|-----------|-------|-------|-------|
| | | 5 | 6 | 7 | 8 |
| Alb (g/l) | | | | | |
| week: | -1 | 30.74 | 31.89 | 29.38 | 31.71 |
| | 7 | 31.77 | 33.92 | 31.12 | 32.01 |
| | 13 | 32.25 | 33.55 | 32.24 | 33.87 |
| Glob (g/l) | | | | | |
| week: | -1 | 20.91 | 26.26 | 24.72 | 25.79 |
| | 7 | 23.84 | 25.91 | 25.85 | 23.68 |
| | 13 | 23.87 | 26.71 | 29.05 | 27.39 |
| A/G (1) | | | | | |
| week: | -1 | 1.470 | 1.210 | 1.190 | 1.230 |
| | 7 | 1.330 | 1.310 | 1.200 | 1.350 |
| | 13 | 1.350 | 1.260 | 1.110 | 1.240 |
| Chol (mmol/l) | | | | | |
| week: | -1 | 3.620 | 3.850 | 4.800 | 4.080 |
| | 7 | 3.790 | 3.470 | 4.820 | 3.440 |
| | 13 | 3.800 | 3.660 | 5.030 | 3.600 |
| Trigly (mmol/l) | | | | | |
| week: | -1 | 0.410 | 0.490 | 0.280 | 0.510 |
| | 7 | 0.300 | 0.410 | 0.240 | 0.330 |
| | 13 | 0.290 | 0.260 | 0.195 | 0.300 |
| Phos-Lip (mmol/l) | | | | | |
| week: | -1 | 4.330 | 4.630 | 5.690 | 4.900 |
| | 7 | 4.440 | 4.100 | 5.260 | 4.340 |
| | 13 | 4.730 | 4.190 | 5.785 | 4.660 |
| Na+ (mmol/l) | | | | | |
| week: | -1 | 145.8 | 144.5 | 145.8 | 147.6 |
| | 7 | 147.6 | 145.3 | 146.7 | 146.1 |
| | 13 | 147.5 | 147.6 | 146.7 | 150.0 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): males

group 2
50 ppm

| | | 5 | 6 | 7 | 8 | Animal no |
|------------|----|-------|-------|-------|-------|-----------|
| K+ | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 4.480 | 5.230 | 4.600 | 5.210 | |
| | 7 | 4.110 | 4.690 | 4.530 | 4.450 | |
| | 13 | 4.540 | 4.990 | 4.510 | 5.300 | |
| Ca++ | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 2.690 | 2.830 | 2.770 | 2.890 | |
| | 7 | 2.960 | 2.910 | 2.860 | 3.030 | |
| | 13 | 2.690 | 2.740 | 2.700 | 2.880 | |
| Cl- | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 111.0 | 109.4 | 110.1 | 108.9 | |
| | 7 | 106.9 | 108.8 | 108.5 | 106.6 | |
| | 13 | 114.6 | 113.3 | 113.3 | 111.7 | |
| PO4-in | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 2.150 | 2.270 | 2.260 | 2.220 | |
| | 7 | 1.940 | 1.750 | 1.920 | 1.930 | |
| | 13 | 1.690 | 1.570 | 1.520 | 1.720 | |
| ASAT (GOT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 23.60 | 20.50 | 31.05 | 21.10 | |
| | 7 | 28.60 | 23.60 | 29.80 | 16.80 | |
| | 13 | 22.40 | 18.00 | 25.50 | 18.00 | |
| ALAT (GPT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 37.00 | 54.10 | 46.70 | 60.70 | |
| | 7 | 40.70 | 55.50 | 37.80 | 57.00 | |
| | 13 | 45.20 | 50.40 | 43.70 | 57.00 | |
| AlP | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 85.60 | 94.40 | 112.1 | 135.8 | |
| | 7 | 76.30 | 88.20 | 104.2 | 104.8 | |
| | 13 | 55.50 | 67.30 | 90.40 | 94.70 | |

Blood chemistry (individuals): males

group 2
50 ppm

| | | Animal no | | | |
|-------|-------|-----------|-------|-------|-------|
| | | 5 | 6 | 7 | 8 |
| GGT | (U/l) | | | | |
| week: | -1 | 3.800 | 4.500 | 3.800 | 3.200 |
| | 7 | 2.500 | 3.200 | 0.000 | 2.500 |
| | 13 | 5.100 | 3.200 | 2.500 | 3.800 |
| CK | (U/l) | | | | |
| week: | -1 | 213.1 | 194.0 | 254.4 | 232.1 |
| | 7 | 162.2 | 187.6 | 201.4 | 141.0 |
| | 13 | 129.3 | 177.0 | 216.2 | 166.4 |

Blood chemistry (individuals): males

group 3
125 ppm

| | | Animal no | | | |
|----------|----------|-----------|-------|-------|-------|
| | | 9 | 10 | 11 | 12 |
| Gluc | (mmol/l) | | | | |
| week: | -1 | 6.090 | 5.880 | 6.160 | 6.170 |
| | 7 | 6.180 | 6.260 | 6.300 | 6.430 |
| | 13 | 6.150 | 5.520 | 6.160 | 5.720 |
| Urea | (mmol/l) | | | | |
| week: | -1 | 2.550 | 3.400 | 3.590 | 3.770 |
| | 7 | 2.680 | 2.920 | 3.530 | 4.160 |
| | 13 | 2.830 | 3.250 | 3.770 | 4.990 |
| Creat-e | (umol/l) | | | | |
| week: | -1 | 67.70 | 68.00 | 78.10 | 81.50 |
| | 7 | 74.60 | 65.70 | 76.80 | 87.00 |
| | 13 | 65.90 | 69.40 | 79.20 | 85.10 |
| Bili-tot | (umol/l) | | | | |
| week: | -1 | 2.380 | 2.860 | 2.380 | 2.380 |
| | 7 | 3.180 | 2.690 | 2.690 | 3.180 |
| | 13 | 2.940 | 3.180 | 2.690 | 2.940 |

Blood chemistry (individuals): males

group 3
 125 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 9 | 10 | 11 | 12 |
| Prot | | | | | |
| (g/l) | | | | | |
| week: | -1 | 51.40 | 54.92 | 56.46 | 55.59 |
| | 7 | 59.85 | 57.79 | 55.26 | 56.27 |
| | 13 | 57.89 | 57.72 | 59.03 | 60.49 |
| Alb | | | | | |
| (g/l) | | | | | |
| week: | -1 | 30.86 | 32.15 | 33.20 | 31.06 |
| | 7 | 33.77 | 32.96 | 33.36 | 32.59 |
| | 13 | 34.77 | 33.94 | 34.55 | 33.86 |
| Glob | | | | | |
| (g/l) | | | | | |
| week: | -1 | 20.54 | 22.77 | 23.26 | 24.53 |
| | 7 | 26.08 | 24.83 | 21.90 | 23.68 |
| | 13 | 23.12 | 23.78 | 24.48 | 26.63 |
| A/G | | | | | |
| (1) | | | | | |
| week: | -1 | 1.500 | 1.410 | 1.430 | 1.270 |
| | 7 | 1.290 | 1.330 | 1.520 | 1.380 |
| | 13 | 1.500 | 1.430 | 1.410 | 1.270 |
| Chol | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 4.360 | 3.210 | 3.390 | 3.790 |
| | 7 | 5.135 | 3.300 | 3.540 | 3.490 |
| | 13 | 4.490 | 3.220 | 3.580 | 3.680 |
| Trigly | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 0.570 | 0.360 | 0.410 | 0.635 |
| | 7 | 0.370 | 0.200 | 0.230 | 0.410 |
| | 13 | 0.360 | 0.210 | 0.200 | 0.420 |
| Phos-Lip | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 5.190 | 3.910 | 4.210 | 4.720 |
| | 7 | 5.805 | 4.100 | 4.220 | 4.160 |
| | 13 | 5.350 | 4.110 | 4.500 | 4.530 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): males

group 3
125 ppm

| | | 9 | 10 | 11 | 12 | Animal no |
|------------|----|-------|-------|-------|-------|-----------|
| Na+ | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 146.4 | 145.8 | 147.4 | 149.3 | |
| | 7 | 150.7 | 146.6 | 146.3 | 146.9 | |
| | 13 | 149.7 | 145.6 | 147.3 | 148.6 | |
| K+ | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 4.500 | 4.730 | 4.720 | 5.310 | |
| | 7 | 4.120 | 4.510 | 4.790 | 5.200 | |
| | 13 | 4.440 | 4.510 | 5.210 | 4.720 | |
| Ca++ | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 2.730 | 2.770 | 2.920 | 2.900 | |
| | 7 | 3.050 | 2.880 | 3.020 | 2.870 | |
| | 13 | 2.870 | 2.630 | 2.860 | 2.730 | |
| Cl- | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 108.5 | 110.2 | 106.1 | 110.5 | |
| | 7 | 106.3 | 109.1 | 107.5 | 107.7 | |
| | 13 | 110.5 | 112.3 | 110.6 | 113.9 | |
| PO4-in | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 2.150 | 2.290 | 2.250 | 2.190 | |
| | 7 | 2.175 | 1.980 | 1.990 | 1.880 | |
| | 13 | 1.810 | 1.720 | 1.860 | 1.510 | |
| ASAT (GOT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 18.00 | 22.40 | 24.20 | 19.90 | |
| | 7 | 22.40 | 24.20 | 24.20 | 30.40 | |
| | 13 | 23.60 | 25.50 | 23.60 | 19.30 | |
| ALAT (GPT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 42.90 | 42.90 | 45.20 | 40.00 | |
| | 7 | 48.10 | 45.90 | 38.50 | 47.40 | |
| | 13 | 59.20 | 45.90 | 47.40 | 43.70 | |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): males

group 3
125 ppm

| | | Animal no | | | |
|-------|-------|-----------|-------|-------|-------|
| | | 9 | 10 | 11 | 12 |
| AlP | (U/l) | | | | |
| week: | -1 | 121.7 | 116.1 | 138.9 | 129.0 |
| | 7 | 109.0 | 92.70 | 124.5 | 102.8 |
| | 13 | 80.30 | 74.10 | 100.8 | 83.10 |
| GGT | (U/l) | | | | |
| week: | -1 | 3.200 | 3.200 | 4.500 | 3.800 |
| | 7 | 0.000 | 0.000 | 3.200 | 0.000 |
| | 13 | 3.200 | 2.500 | 3.800 | 3.200 |
| CK | (U/l) | | | | |
| week: | -1 | 177.0 | 221.5 | 270.3 | 231.1 |
| | 7 | 165.4 | 165.4 | 195.0 | 633.9 |
| | 13 | 173.8 | 215.2 | 208.8 | 216.2 |

Blood chemistry (individuals): males

group 4
250 ppm

| | | Animal no | | | |
|---------|----------|-----------|-------|-------|-------|
| | | 13 | 14 | 15 | 16 |
| Gluc | (mmol/l) | | | | |
| week: | -1 | 5.960 | 5.680 | 5.530 | 5.680 |
| | 7 | 5.640 | 5.370 | 5.410 | 5.690 |
| | 13 | 5.830 | 5.460 | 5.310 | 5.680 |
| Urea | (mmol/l) | | | | |
| week: | -1 | 3.280 | 4.470 | 3.160 | 2.640 |
| | 7 | 3.530 | 3.370 | 4.160 | 3.530 |
| | 13 | 3.950 | 3.890 | 4.380 | 4.260 |
| Creat-e | (umol/l) | | | | |
| week: | -1 | 67.30 | 75.20 | 60.60 | 67.00 |
| | 7 | 73.40 | 69.70 | 64.80 | 63.80 |
| | 13 | 76.20 | 72.40 | 69.70 | 72.10 |

Blood chemistry (individuals): males

group 4
 250 ppm

| | | 13 | 14 | 15 | 16 | Animal no |
|-----------------------------------|----|-------|-------|-------|-------|-----------|
| Bili-tot ($\mu\text{mol/l}$) | | | | | | |
| week: | -1 | 2.140 | 2.860 | 2.140 | 2.380 | |
| | 7 | 2.200 | 3.180 | 2.940 | 3.180 | |
| | 13 | 2.690 | 3.430 | 2.690 | 3.180 | |
| Prot (g/l) | | | | | | |
| week: | -1 | 53.12 | 54.04 | 49.97 | 53.88 | |
| | 7 | 52.62 | 57.08 | 55.64 | 53.87 | |
| | 13 | 56.72 | 57.03 | 60.29 | 55.03 | |
| Alb (g/l) | | | | | | |
| week: | -1 | 30.78 | 32.10 | 27.53 | 29.00 | |
| | 7 | 30.80 | 33.77 | 31.50 | 31.03 | |
| | 13 | 32.03 | 33.73 | 34.15 | 30.27 | |
| Glob (g/l) | | | | | | |
| week: | -1 | 22.34 | 21.94 | 22.44 | 24.88 | |
| | 7 | 21.82 | 23.31 | 24.14 | 22.84 | |
| | 13 | 24.69 | 23.30 | 26.14 | 24.76 | |
| A/G (1) | | | | | | |
| week: | -1 | 1.380 | 1.460 | 1.230 | 1.170 | |
| | 7 | 1.410 | 1.450 | 1.300 | 1.360 | |
| | 13 | 1.300 | 1.450 | 1.310 | 1.220 | |
| Chol (mmol/l) | | | | | | |
| week: | -1 | 3.980 | 3.000 | 3.390 | 3.450 | |
| | 7 | 3.490 | 3.430 | 3.790 | 3.190 | |
| | 13 | 3.920 | 3.350 | 3.880 | 3.150 | |
| Trigly (mmol/l) | | | | | | |
| week: | -1 | 0.380 | 0.320 | 0.330 | 0.340 | |
| | 7 | 0.330 | 0.330 | 0.270 | 0.330 | |
| | 13 | 0.330 | 0.240 | 0.270 | 0.250 | |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): males

group 4
250 ppm

| | Animal no | | | |
|----------------------|-----------|-------|-------|-------|
| | 13 | 14 | 15 | 16 |
| Phos-Lip (mmol/l) | | | | |
| week: -1 | 4.820 | 3.600 | 4.160 | 4.230 |
| 7 | 4.290 | 4.160 | 4.330 | 3.890 |
| 13 | 4.670 | 4.120 | 4.640 | 3.940 |
| Na+ (mmol/l) | | | | |
| week: -1 | 146.0 | 147.5 | 147.8 | 147.4 |
| 7 | 147.2 | 146.2 | 146.0 | 145.2 |
| 13 | 147.3 | 146.0 | 148.7 | 146.5 |
| K+ (mmol/l) | | | | |
| week: -1 | 4.390 | 4.510 | 4.510 | 4.530 |
| 7 | 4.510 | 4.520 | 4.700 | 4.580 |
| 13 | 4.340 | 4.550 | 4.540 | 4.810 |
| Ca++ (mmol/l) | | | | |
| week: -1 | 2.670 | 2.740 | 2.770 | 2.800 |
| 7 | 2.740 | 2.830 | 2.900 | 2.860 |
| 13 | 2.660 | 2.630 | 2.740 | 2.630 |
| Cl- (mmol/l) | | | | |
| week: -1 | 111.9 | 111.0 | 111.8 | 108.4 |
| 7 | 112.2 | 111.0 | 108.2 | 107.5 |
| 13 | 113.8 | 113.6 | 115.0 | 115.4 |
| PO4-in (mmol/l) | | | | |
| week: -1 | 2.140 | 2.210 | 2.410 | 2.480 |
| 7 | 2.020 | 1.920 | 1.990 | 1.960 |
| 13 | 1.940 | 1.750 | 1.850 | 1.780 |
| ASAT (GOT) (U/l) | | | | |
| week: -1 | 17.40 | 18.00 | 23.00 | 20.50 |
| 7 | 30.40 | 21.70 | 24.20 | 23.60 |
| 13 | 20.50 | 17.40 | 25.50 | 22.40 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): males

group 4
250 ppm

| | | Animal no | | | |
|------------|-------|-----------|-------|-------|-------|
| | | 13 | 14 | 15 | 16 |
| ALAT (GPT) | (U/l) | | | | |
| week: | -1 | 36.30 | 45.90 | 49.60 | 25.90 |
| | 7 | 40.70 | 42.20 | 52.60 | 28.85 |
| | 13 | 40.70 | 43.70 | 60.70 | 43.70 |
| ALP | (U/l) | | | | |
| week: | -1 | 86.20 | 100.6 | 94.10 | 136.3 |
| | 7 | 82.50 | 85.40 | 77.20 | 105.6 |
| | 13 | 80.80 | 72.40 | 70.70 | 93.00 |
| GGT | (U/l) | | | | |
| week: | -1 | 3.800 | 3.200 | 3.200 | 3.200 |
| | 7 | 3.200 | 2.500 | 2.500 | 2.500 |
| | 13 | 4.500 | 3.200 | 3.800 | 3.200 |
| CK | (U/l) | | | | |
| week: | -1 | 198.2 | 218.4 | 235.3 | 212.0 |
| | 7 | 185.5 | 179.1 | 216.2 | 278.8 |
| | 13 | 183.4 | 123.0 | 200.3 | 219.4 |

Blood chemistry (individuals): males

group 5
1250 ppm

| | | Animal no | | | |
|-------|----------|-----------|-------|-------|-------|
| | | 17 | 18 | 19 | 20 |
| Gluc | (mmol/l) | | | | |
| week: | -1 | 5.760 | 5.610 | 6.220 | 5.870 |
| | 7 | 5.610 | 5.580 | 6.080 | 6.460 |
| | 13 | 5.290 | 5.670 | 5.700 | 5.440 |
| Urea | (mmol/l) | | | | |
| week: | -1 | 4.230 | 5.290 | 3.890 | 2.830 |
| | 7 | 4.010 | 4.440 | 3.010 | 2.460 |
| | 13 | 4.770 | 4.290 | 3.830 | 2.980 |

Blood chemistry (individuals): males

group 5
 1250 ppm

| | | 17 | 18 | 19 | 20 |
|----------------------|----------|-----------|-------|-------|-------|
| | | Animal no | | | |
| Creat-e (umol/l) | week: -1 | 77.80 | 69.60 | 82.90 | 71.00 |
| | 7 | 80.40 | 68.80 | 79.80 | 65.00 |
| | 13 | 75.30 | 73.90 | 86.90 | 72.90 |
| Bili-tot (umol/l) | week: -1 | 2.140 | 2.140 | 1.900 | 1.900 |
| | 7 | 2.940 | 3.180 | 2.200 | 1.710 |
| | 13 | 2.940 | 3.670 | 2.450 | 2.450 |
| Prot (g/l) | week: -1 | 54.24 | 55.39 | 51.46 | 56.77 |
| | 7 | 53.41 | 55.53 | 54.12 | 54.25 |
| | 13 | 57.29 | 56.26 | 54.74 | 58.75 |
| Alb (g/l) | week: -1 | 30.32 | 31.56 | 29.51 | 31.34 |
| | 7 | 30.61 | 30.25 | 30.66 | 31.78 |
| | 13 | 32.41 | 31.71 | 32.35 | 32.62 |
| Glob (g/l) | week: -1 | 23.92 | 23.83 | 21.95 | 25.43 |
| | 7 | 22.80 | 25.28 | 23.46 | 22.47 |
| | 13 | 24.88 | 24.55 | 22.39 | 26.13 |
| A/G (l) | week: -1 | 1.270 | 1.320 | 1.340 | 1.230 |
| | 7 | 1.340 | 1.200 | 1.310 | 1.410 |
| | 13 | 1.300 | 1.290 | 1.440 | 1.250 |
| Chol (mmol/l) | week: -1 | 3.160 | 3.520 | 3.620 | 3.260 |
| | 7 | 3.140 | 3.300 | 3.470 | 3.230 |
| | 13 | 3.450 | 3.380 | 3.760 | 3.460 |

Blood chemistry (individuals): males

group 5
 1250 ppm

| | | 17 | 18 | 19 | 20 | Animal no |
|----------------------|----|-------|-------|-------|-------|-----------|
| Trigly (mmol/l) | | | | | | |
| week: | -1 | 0.280 | 0.330 | 0.490 | 0.350 | |
| | 7 | 0.220 | 0.350 | 0.340 | 0.320 | |
| | 13 | 0.300 | 0.190 | 0.280 | 0.330 | |
| Phos-Lip (mmol/l) | | | | | | |
| week: | -1 | 3.840 | 4.250 | 4.170 | 3.930 | |
| | 7 | 3.920 | 4.300 | 4.100 | 4.120 | |
| | 13 | 4.280 | 4.290 | 4.450 | 4.510 | |
| Na+ (mmol/l) | | | | | | |
| week: | -1 | 144.2 | 147.4 | 146.8 | 148.2 | |
| | 7 | 145.0 | 147.5 | 147.6 | 145.9 | |
| | 13 | 146.5 | 146.0 | 144.5 | 147.3 | |
| K+ (mmol/l) | | | | | | |
| week: | -1 | 4.800 | 4.760 | 4.710 | 4.610 | |
| | 7 | 4.710 | 4.750 | 4.620 | 4.530 | |
| | 13 | 4.760 | 4.730 | 4.590 | 4.240 | |
| Ca++ (mmol/l) | | | | | | |
| week: | -1 | 2.700 | 2.720 | 2.740 | 2.810 | |
| | 7 | 2.840 | 2.790 | 2.860 | 2.890 | |
| | 13 | 2.660 | 2.650 | 2.540 | 2.680 | |
| Cl- (mmol/l) | | | | | | |
| week: | -1 | 109.0 | 110.1 | 109.5 | 109.6 | |
| | 7 | 108.5 | 111.0 | 109.0 | 112.3 | |
| | 13 | 113.1 | 114.4 | 112.1 | 114.1 | |
| PO4-in (mmol/l) | | | | | | |
| week: | -1 | 2.170 | 2.030 | 2.100 | 2.060 | |
| | 7 | 1.780 | 1.940 | 1.750 | 1.740 | |
| | 13 | 1.610 | 1.820 | 1.460 | 1.440 | |

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Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): males

group 5
1250 ppm

| | Animal no | | | |
|---------------------|-----------|-------|-------|-------|
| | 17 | 18 | 19 | 20 |
| ASAT (GOT) (U/l) | | | | |
| week: -1 | 20.50 | 26.10 | 19.30 | 18.60 |
| 7 | 21.70 | 24.90 | 19.30 | 18.60 |
| 13 | 20.50 | 20.50 | 21.10 | 17.40 |
| ALAT (GPT) (U/l) | | | | |
| week: -1 | 34.80 | 41.50 | 49.60 | 40.00 |
| 7 | 41.50 | 36.30 | 46.70 | 40.70 |
| 13 | 40.00 | 31.80 | 57.00 | 42.90 |
| ALP (U/l) | | | | |
| week: -1 | 108.5 | 119.7 | 123.7 | 78.00 |
| 7 | 147.2 | 147.5 | 206.8 | 98.90 |
| 13 | 137.5 | 121.1 | 190.3 | 91.80 |
| GGT (U/l) | | | | |
| week: -1 | 5.100 | 3.800 | 3.800 | 3.200 |
| 7 | 3.200 | 3.800 | 3.500 | 3.500 |
| 13 | 3.800 | 4.500 | 4.500 | 4.500 |
| CK (U/l) | | | | |
| week: -1 | 191.9 | 225.8 | 222.6 | 209.9 |
| 7 | 174.9 | 220.5 | 215.2 | 154.8 |
| 13 | 164.3 | 131.4 | 223.7 | 161.1 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 1
0 ppm

| | Animal no | | | |
|----------------------|-----------|-------|-------|-------|
| | 21 | 22 | 23 | 24 |
| Gluc (mmol/l) | | | | |
| week: -1 | 5.940 | 5.730 | 5.910 | 5.390 |
| 7 | 6.360 | 5.800 | 5.850 | 5.490 |
| 13 | 5.480 | 5.900 | 5.450 | 5.190 |
| Urea (mmol/l) | | | | |
| week: -1 | 3.340 | 3.770 | 4.590 | 4.380 |
| 7 | 3.220 | 4.710 | 3.920 | 3.070 |
| 13 | 3.830 | 4.200 | 4.380 | 3.890 |
| Creat-e (umol/l) | | | | |
| week: -1 | 75.50 | 83.50 | 73.30 | 84.10 |
| 7 | 71.90 | 92.10 | 72.20 | 80.70 |
| 13 | 74.80 | 87.10 | 71.20 | 80.40 |
| Bili-tot (umol/l) | | | | |
| week: -1 | 2.860 | 2.620 | 2.140 | 2.140 |
| 7 | 2.690 | 2.450 | 2.940 | 2.940 |
| 13 | 2.450 | 3.180 | 2.450 | 2.940 |
| Prot (g/l) | | | | |
| week: -1 | 52.55 | 55.25 | 57.90 | 54.61 |
| 7 | 54.36 | 55.80 | 57.65 | 53.98 |
| 13 | 55.52 | 56.89 | 60.66 | 56.66 |
| Alb (g/l) | | | | |
| week: -1 | 31.85 | 32.54 | 32.69 | 31.99 |
| 7 | 31.55 | 32.89 | 32.97 | 32.29 |
| 13 | 31.48 | 34.16 | 34.01 | 33.32 |
| Glob (g/l) | | | | |
| week: -1 | 20.70 | 22.71 | 25.21 | 22.62 |
| 7 | 22.81 | 22.91 | 24.68 | 21.69 |
| 13 | 24.04 | 22.73 | 26.65 | 23.34 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 1
0 ppm

| | | Animal no | | | |
|----------|----------|-----------|-------|-------|-------|
| | | 21 | 22 | 23 | 24 |
| A/G | (1) | | | | |
| week: | -1 | 1.540 | 1.430 | 1.300 | 1.410 |
| | 7 | 1.380 | 1.440 | 1.340 | 1.490 |
| | 13 | 1.310 | 1.500 | 1.280 | 1.430 |
| Chol | (mmol/l) | | | | |
| week: | -1 | 4.370 | 5.010 | 2.730 | 3.560 |
| | 7 | 4.500 | 5.350 | 2.740 | 3.720 |
| | 13 | 3.920 | 5.435 | 3.030 | 3.840 |
| Trigly | (mmol/l) | | | | |
| week: | -1 | 0.410 | 0.460 | 0.360 | 0.490 |
| | 7 | 0.360 | 0.280 | 0.330 | 0.350 |
| | 13 | 0.250 | 0.270 | 0.220 | 0.320 |
| Phos-Lip | (mmol/l) | | | | |
| week: | -1 | 5.090 | 5.470 | 3.390 | 4.300 |
| | 7 | 5.130 | 5.650 | 3.560 | 4.410 |
| | 13 | 4.530 | 5.845 | 3.850 | 4.570 |
| Na+ | (mmol/l) | | | | |
| week: | -1 | 147.5 | 147.4 | 149.0 | 146.4 |
| | 7 | 145.2 | 146.0 | 145.3 | 144.7 |
| | 13 | 147.5 | 147.0 | 149.1 | 147.1 |
| K+ | (mmol/l) | | | | |
| week: | -1 | 4.270 | 3.905 | 4.680 | 4.360 |
| | 7 | 4.260 | 3.950 | 4.260 | 4.240 |
| | 13 | 4.120 | 3.860 | 4.200 | 4.000 |
| Ca++ | (mmol/l) | | | | |
| week: | -1 | 2.670 | 2.740 | 2.740 | 2.730 |
| | 7 | 2.760 | 2.870 | 3.000 | 2.830 |
| | 13 | 2.590 | 2.660 | 2.700 | 2.630 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 1
0 ppm

| | | Animal no | | | |
|------------|----|-----------|-------|-------|-------|
| | | 21 | 22 | 23 | 24 |
| Cl- | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 111.4 | 109.2 | 110.8 | 111.6 |
| | 7 | 112.1 | 110.7 | 108.1 | 113.3 |
| | 13 | 114.5 | 114.7 | 115.3 | 114.2 |
| PO4-in | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 1.920 | 1.970 | 1.850 | 1.930 |
| | 7 | 1.800 | 1.780 | 2.100 | 1.640 |
| | 13 | 1.570 | 1.330 | 1.470 | 1.330 |
| ASAT (GOT) | | | | | |
| (U/l) | | | | | |
| week: | -1 | 16.20 | 16.20 | 19.30 | 20.50 |
| | 7 | 14.60 | 16.80 | 17.40 | 22.40 |
| | 13 | 13.65 | 14.90 | 18.60 | 23.00 |
| ALAT (GPT) | | | | | |
| (U/l) | | | | | |
| week: | -1 | 48.10 | 51.80 | 42.90 | 31.80 |
| | 7 | 50.40 | 51.10 | 44.40 | 32.60 |
| | 13 | 45.90 | 70.30 | 41.50 | 31.80 |
| AlP | | | | | |
| (U/l) | | | | | |
| week: | -1 | 77.50 | 76.30 | 83.40 | 93.00 |
| | 7 | 79.70 | 77.20 | 72.70 | 83.70 |
| | 13 | 67.60 | 71.60 | 54.10 | 63.10 |
| GGT | | | | | |
| (U/l) | | | | | |
| week: | -1 | 3.200 | 3.200 | 3.200 | 2.500 |
| | 7 | 0.000 | 0.000 | 2.500 | 3.200 |
| | 13 | 2.500 | 4.500 | 3.800 | 0.000 |
| CK | | | | | |
| (U/l) | | | | | |
| week: | -1 | 213.1 | 201.4 | 178.1 | 163.2 |
| | 7 | 113.4 | 118.7 | 135.7 | 133.6 |
| | 13 | 107.1 | 109.2 | 128.3 | 112.4 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 2
50 ppm

| | | 25 | 26 | 27 | 28 |
|----------------------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| Gluc (mmol/l) | | | | | |
| week: | -1 | 5.100 | 5.590 | 5.460 | 5.330 |
| | 7 | 5.810 | 5.430 | 5.410 | 5.990 |
| | 13 | 5.190 | 5.510 | 5.270 | 5.880 |
| Urea (mmol/l) | | | | | |
| week: | -1 | 4.230 | 3.340 | 3.590 | 4.070 |
| | 7 | 4.320 | 4.500 | 3.680 | 3.160 |
| | 13 | 5.260 | 4.200 | 3.740 | 3.680 |
| Creat-e (umol/l) | | | | | |
| week: | -1 | 80.30 | 85.80 | 68.50 | 68.40 |
| | 7 | 78.30 | 79.80 | 66.20 | 70.60 |
| | 13 | 77.60 | 78.80 | 72.10 | 69.20 |
| Bili-tot (umol/l) | | | | | |
| week: | -1 | 1.900 | 3.330 | 2.380 | 2.860 |
| | 7 | 2.940 | 3.180 | 2.450 | 2.450 |
| | 13 | 3.920 | 3.920 | 2.690 | 3.430 |
| Prot (g/l) | | | | | |
| week: | -1 | 52.50 | 56.83 | 55.31 | 55.25 |
| | 7 | 53.36 | 51.56 | 59.23 | 54.80 |
| | 13 | 57.09 | 57.40 | 59.86 | 57.52 |
| Alb (g/l) | | | | | |
| week: | -1 | 33.54 | 33.39 | 33.20 | 33.09 |
| | 7 | 34.52 | 32.85 | 33.08 | 32.35 |
| | 13 | 34.68 | 34.36 | 34.91 | 33.04 |
| Glob (g/l) | | | | | |
| week: | -1 | 18.96 | 23.44 | 22.11 | 22.16 |
| | 7 | 18.84 | 18.71 | 26.15 | 22.45 |
| | 13 | 22.41 | 23.04 | 24.95 | 24.48 |

Blood chemistry (individuals): females

group 2
 50 ppm

| | | 25 | 26 | 27 | 28 |
|----------------------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| A/G (1) | | | | | |
| week: | -1 | 1.770 | 1.420 | 1.500 | 1.490 |
| | 7 | 1.830 | 1.760 | 1.270 | 1.440 |
| | 13 | 1.550 | 1.490 | 1.400 | 1.350 |
| Chol (mmol/l) | | | | | |
| week: | -1 | 2.575 | 4.690 | 4.120 | 3.550 |
| | 7 | 2.690 | 4.040 | 4.040 | 3.940 |
| | 13 | 2.810 | 4.120 | 3.800 | 3.800 |
| Trigly (mmol/l) | | | | | |
| week: | -1 | 0.450 | 0.480 | 0.470 | 0.480 |
| | 7 | 0.400 | 0.280 | 0.350 | 0.530 |
| | 13 | 0.300 | 0.210 | 0.260 | 0.350 |
| Phos-Lip (mmol/l) | | | | | |
| week: | -1 | 3.140 | 5.855 | 4.980 | 4.490 |
| | 7 | 3.500 | 4.770 | 4.670 | 4.810 |
| | 13 | 3.470 | 5.090 | 4.740 | 4.620 |
| Na+ (mmol/l) | | | | | |
| week: | -1 | 149.4 | 148.5 | 149.0 | 146.9 |
| | 7 | 145.0 | 143.8 | 145.7 | 147.6 |
| | 13 | 148.1 | 147.0 | 147.8 | 147.3 |
| K+ (mmol/l) | | | | | |
| week: | -1 | 4.390 | 4.400 | 4.200 | 4.480 |
| | 7 | 4.230 | 4.340 | 3.660 | 5.085 |
| | 13 | 3.980 | 4.020 | 4.330 | 4.580 |
| Ca++ (mmol/l) | | | | | |
| week: | -1 | 2.650 | 2.870 | 2.790 | 2.710 |
| | 7 | 2.950 | 2.840 | 2.890 | 2.940 |
| | 13 | 2.620 | 2.700 | 2.740 | 2.640 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 2
50 ppm

| | | 25 | 26 | 27 | 28 | Animal no |
|------------|----|-------|-------|-------|-------|-----------|
| Cl- | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 113.3 | 109.6 | 109.4 | 108.7 | |
| | 7 | 111.9 | 111.6 | 107.4 | 105.9 | |
| | 13 | 114.1 | 113.1 | 112.7 | 113.6 | |
| PO4-in | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 2.130 | 1.890 | 2.140 | 1.800 | |
| | 7 | 2.245 | 1.830 | 2.090 | 1.810 | |
| | 13 | 1.520 | 1.580 | 1.780 | 1.520 | |
| ASAT (GOT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 21.70 | 16.20 | 28.60 | 21.10 | |
| | 7 | 22.40 | 20.50 | 30.40 | 25.50 | |
| | 13 | 19.30 | 21.70 | 26.10 | 31.10 | |
| ALAT (GPT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 51.80 | 25.15 | 64.40 | 45.20 | |
| | 7 | 45.90 | 37.00 | 50.40 | 43.70 | |
| | 13 | 45.90 | 32.60 | 65.90 | 45.20 | |
| ALP | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 93.80 | 135.5 | 98.00 | 100.0 | |
| | 7 | 78.30 | 100.3 | 87.90 | 91.00 | |
| | 13 | 64.50 | 78.30 | 68.70 | 71.80 | |
| GGT | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 4.500 | 3.200 | 3.200 | 3.200 | |
| | 7 | 2.500 | 0.000 | 0.000 | 0.000 | |
| | 13 | 5.100 | 2.500 | 3.800 | 0.000 | |
| CK | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 268.2 | 159.0 | 243.8 | 163.2 | |
| | 7 | 198.2 | 156.9 | 183.4 | 239.6 | |
| | 13 | 169.6 | 153.7 | 163.2 | 197.2 | |

Blood chemistry (individuals): females

group 3
 125 ppm

| | | Animal no | | | |
|----------------------|----|-----------|-------|-------|-------|
| | | 29 | 30 | 31 | 32 |
| Gluc (mmol/l) | | | | | |
| week: | -1 | 6.490 | 6.240 | 5.690 | 5.590 |
| | 7 | 6.720 | 6.020 | 6.370 | 5.960 |
| | 13 | 5.550 | 5.570 | 6.590 | 5.720 |
| Urea (mmol/l) | | | | | |
| week: | -1 | 4.200 | 4.070 | 3.650 | 4.920 |
| | 7 | 4.100 | 3.980 | 3.890 | 5.350 |
| | 13 | 4.590 | 4.470 | 4.290 | 3.680 |
| Creat-e (umol/l) | | | | | |
| week: | -1 | 75.20 | 84.60 | 81.70 | 78.10 |
| | 7 | 74.30 | 88.10 | 79.50 | 80.70 |
| | 13 | 75.30 | 88.20 | 87.40 | 80.90 |
| Bili-tot (umol/l) | | | | | |
| week: | -1 | 2.380 | 2.220 | 1.970 | 2.470 |
| | 7 | 2.940 | 2.200 | 2.450 | 3.180 |
| | 13 | 2.940 | 2.940 | 3.670 | 3.430 |
| Prot (g/l) | | | | | |
| week: | -1 | 53.00 | 53.99 | 57.59 | 51.32 |
| | 7 | 52.84 | 54.17 | 54.72 | 51.56 |
| | 13 | 56.92 | 56.92 | 63.52 | 56.55 |
| Alb (g/l) | | | | | |
| week: | -1 | 32.15 | 32.75 | 34.70 | 31.14 |
| | 7 | 33.13 | 32.91 | 33.78 | 31.83 |
| | 13 | 34.36 | 33.07 | 36.84 | 33.79 |
| Glob (g/l) | | | | | |
| week: | -1 | 20.85 | 21.24 | 22.89 | 20.18 |
| | 7 | 19.71 | 21.26 | 20.94 | 19.73 |
| | 13 | 22.56 | 23.85 | 26.68 | 22.76 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 3
125 ppm

| | | Animal no | | | |
|----------------------|----|-----------|-------|-------|-------|
| | | 29 | 30 | 31 | 32 |
| A/G (1) | | | | | |
| week: | -1 | 1.540 | 1.540 | 1.520 | 1.540 |
| | 7 | 1.680 | 1.550 | 1.610 | 1.610 |
| | 13 | 1.520 | 1.390 | 1.380 | 1.480 |
| Chol (mmol/l) | | | | | |
| week: | -1 | 3.710 | 4.960 | 4.180 | 3.000 |
| | 7 | 3.610 | 4.690 | 4.040 | 3.050 |
| | 13 | 3.400 | 4.230 | 4.750 | 3.310 |
| Trigly (mmol/l) | | | | | |
| week: | -1 | 0.420 | 0.400 | 0.380 | 0.290 |
| | 7 | 0.290 | 0.300 | 0.350 | 0.195 |
| | 13 | 0.210 | 0.200 | 0.290 | 0.180 |
| Phos-Lip (mmol/l) | | | | | |
| week: | -1 | 4.390 | 5.270 | 4.840 | 3.530 |
| | 7 | 4.170 | 5.090 | 4.670 | 3.790 |
| | 13 | 4.110 | 4.880 | 5.310 | 4.130 |
| Na+ (mmol/l) | | | | | |
| week: | -1 | 148.6 | 148.3 | 150.3 | 147.8 |
| | 7 | 146.4 | 147.1 | 147.6 | 148.7 |
| | 13 | 147.1 | 145.9 | 153.2 | 148.2 |
| K+ (mmol/l) | | | | | |
| week: | -1 | 4.390 | 4.280 | 4.110 | 4.490 |
| | 7 | 4.030 | 4.110 | 4.180 | 4.070 |
| | 13 | 3.880 | 4.070 | 4.000 | 4.360 |
| Ca++ (mmol/l) | | | | | |
| week: | -1 | 2.750 | 2.790 | 2.800 | 2.750 |
| | 7 | 2.890 | 2.800 | 2.810 | 2.880 |
| | 13 | 2.650 | 2.650 | 2.670 | 2.720 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 3
125 ppm

| | | 29 | 30 | 31 | 32 | Animal no |
|------------|----|-------|-------|-------|-------|-----------|
| C1- | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 110.7 | 110.6 | 110.3 | 108.7 | |
| | 7 | 106.1 | 109.8 | 110.7 | 107.1 | |
| | 13 | 112.6 | 113.9 | 118.7 | 112.9 | |
| PO4-in | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 1.960 | 1.900 | 2.280 | 2.050 | |
| | 7 | 1.770 | 1.630 | 1.730 | 1.920 | |
| | 13 | 1.480 | 1.370 | 1.590 | 1.580 | |
| ASAT (GOT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 19.90 | 18.60 | 21.70 | 23.00 | |
| | 7 | 18.60 | 18.00 | 19.90 | 22.40 | |
| | 13 | 16.20 | 14.60 | 21.10 | 21.10 | |
| ALAT (GPT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 45.90 | 53.30 | 43.70 | 40.00 | |
| | 7 | 48.10 | 48.90 | 47.40 | 49.60 | |
| | 13 | 48.10 | 54.10 | 50.40 | 40.00 | |
| ALP | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 71.80 | 75.80 | 52.55 | 105.9 | |
| | 7 | 60.30 | 63.10 | 45.90 | 89.90 | |
| | 13 | 58.00 | 53.20 | 46.80 | 79.70 | |
| GGT | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 3.800 | 2.500 | 1.250 | 3.800 | |
| | 7 | 2.500 | 2.500 | 2.500 | 0.000 | |
| | 13 | 0.000 | 3.200 | 2.500 | 3.200 | |
| CK | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 203.5 | 248.0 | 163.2 | 245.9 | |
| | 7 | 120.8 | 167.5 | 115.5 | 156.9 | |
| | 13 | 107.1 | 120.8 | 112.4 | 159.0 | |

Blood chemistry (individuals): females

group 4
 250 ppm

| | | 33 | 34 | 35 | 36 | Animal no |
|----------------------|----|-------|-------|-------|-------|-----------|
| Gluc (mmol/l) | | | | | | |
| week: | -1 | 5.730 | 5.920 | 5.950 | 5.900 | |
| | 7 | 5.750 | 5.710 | 5.490 | 5.960 | |
| | 13 | 5.600 | 5.500 | 5.570 | 5.610 | |
| Urea (mmol/l) | | | | | | |
| week: | -1 | 3.950 | 4.770 | 2.580 | 3.890 | |
| | 7 | 4.530 | 4.770 | 3.860 | 4.160 | |
| | 13 | 4.740 | 4.100 | 3.010 | 4.890 | |
| Creat-e (umol/l) | | | | | | |
| week: | -1 | 78.60 | 88.90 | 71.60 | 77.00 | |
| | 7 | 80.80 | 82.50 | 69.70 | 75.20 | |
| | 13 | 84.40 | 83.90 | 71.70 | 83.60 | |
| Bili-tot (umol/l) | | | | | | |
| week: | -1 | 2.470 | 2.470 | 2.220 | 2.220 | |
| | 7 | 2.940 | 2.450 | 2.690 | 2.940 | |
| | 13 | 3.180 | 2.200 | 3.920 | 3.180 | |
| Prot (g/l) | | | | | | |
| week: | -1 | 55.03 | 54.07 | 52.95 | 56.32 | |
| | 7 | 53.87 | 54.61 | 53.98 | 55.07 | |
| | 13 | 54.86 | 56.66 | 57.77 | 57.72 | |
| Alb (g/l) | | | | | | |
| week: | -1 | 32.84 | 30.99 | 31.74 | 35.26 | |
| | 7 | 32.68 | 32.48 | 33.28 | 33.62 | |
| | 13 | 33.62 | 32.38 | 34.45 | 35.38 | |
| Glob (g/l) | | | | | | |
| week: | -1 | 22.19 | 23.08 | 21.21 | 21.06 | |
| | 7 | 21.19 | 22.13 | 20.70 | 21.45 | |
| | 13 | 21.24 | 24.28 | 23.32 | 22.34 | |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 4
250 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 33 | 34 | 35 | 36 |
| A/G | | | | | |
| (1) | | | | | |
| week: | -1 | 1.480 | 1.340 | 1.500 | 1.670 |
| | 7 | 1.540 | 1.470 | 1.610 | 1.570 |
| | 13 | 1.580 | 1.330 | 1.480 | 1.580 |
| Chol | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 3.750 | 4.410 | 4.570 | 3.830 |
| | 7 | 3.490 | 4.580 | 4.890 | 4.490 |
| | 13 | 3.540 | 4.970 | 4.860 | 4.360 |
| Trigly | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 0.400 | 0.390 | 0.550 | 0.520 |
| | 7 | 0.340 | 0.260 | 0.380 | 0.460 |
| | 13 | 0.250 | 0.220 | 0.390 | 0.280 |
| Phos-Lip | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 4.770 | 4.640 | 4.970 | 4.410 |
| | 7 | 4.550 | 5.120 | 5.350 | 4.990 |
| | 13 | 4.320 | 5.470 | 5.220 | 5.080 |
| Na+ | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 146.4 | 148.0 | 147.9 | 149.6 |
| | 7 | 146.3 | 147.8 | 148.9 | 149.0 |
| | 13 | 147.7 | 150.7 | 147.7 | 150.4 |
| K+ | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 4.690 | 4.490 | 4.350 | 4.020 |
| | 7 | 4.440 | 4.510 | 3.880 | 4.060 |
| | 13 | 4.340 | 4.170 | 4.130 | 3.660 |
| Ca++ | | | | | |
| (mmol/l) | | | | | |
| week: | -1 | 2.770 | 2.790 | 2.750 | 2.810 |
| | 7 | 2.940 | 2.940 | 2.940 | 2.870 |
| | 13 | 2.640 | 2.620 | 2.660 | 2.660 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 4
250 ppm

| | | 33 | 34 | 35 | 36 | Animal no |
|------------|----|-------|-------|-------|-------|-----------|
| Cl- | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 108.6 | 111.9 | 112.3 | 111.1 | |
| | 7 | 105.9 | 110.2 | 108.3 | 107.9 | |
| | 13 | 114.3 | 118.0 | 114.4 | 114.1 | |
| PO4-in | | | | | | |
| (mmol/l) | | | | | | |
| week: | -1 | 1.980 | 2.360 | 1.990 | 2.000 | |
| | 7 | 1.920 | 2.050 | 2.090 | 1.850 | |
| | 13 | 1.510 | 1.550 | 1.520 | 1.520 | |
| ASAT (GOT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 23.00 | 18.60 | 26.10 | 26.10 | |
| | 7 | 29.80 | 21.70 | 24.90 | 16.20 | |
| | 13 | 22.40 | 14.90 | 19.30 | 18.00 | |
| ALAT (GPT) | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 45.90 | 51.80 | 43.70 | 62.20 | |
| | 7 | 38.50 | 66.60 | 45.90 | 45.20 | |
| | 13 | 40.70 | 52.60 | 52.60 | 48.10 | |
| ALP | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 109.9 | 63.40 | 95.50 | 98.00 | |
| | 7 | 100.0 | 59.20 | 100.0 | 103.4 | |
| | 13 | 82.80 | 45.90 | 93.00 | 85.90 | |
| GGT | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 0.000 | 5.100 | 2.500 | 0.000 | |
| | 7 | 0.000 | 3.200 | 3.200 | 0.000 | |
| | 13 | 2.500 | 3.800 | 5.100 | 2.500 | |
| CK | | | | | | |
| (U/l) | | | | | | |
| week: | -1 | 197.2 | 219.4 | 265.0 | 286.2 | |
| | 7 | 516.8 | 183.4 | 194.0 | 106.0 | |
| | 13 | 168.5 | 114.5 | 142.0 | 121.9 | |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 5
1250 ppm

| | | Animal no | | | |
|----------------------|----|-----------|-------|-------|-------|
| | | 37 | 38 | 39 | 40 |
| Gluc (mmol/l) | | | | | |
| week: | -1 | 5.980 | 5.520 | 5.370 | 5.130 |
| | 7 | 6.140 | 5.630 | 5.860 | 5.520 |
| | 13 | 5.700 | 5.590 | 5.350 | 4.600 |
| Urea (mmol/l) | | | | | |
| week: | -1 | 3.830 | 4.040 | 2.680 | 5.500 |
| | 7 | 3.280 | 4.160 | 3.040 | 4.410 |
| | 13 | 3.400 | 5.080 | 2.950 | 5.200 |
| Creat-e (umol/l) | | | | | |
| week: | -1 | 73.10 | 80.90 | 64.80 | 88.00 |
| | 7 | 72.70 | 80.40 | 61.90 | 86.60 |
| | 13 | 75.60 | 80.30 | 72.30 | 83.30 |
| Bili-tot (umol/l) | | | | | |
| week: | -1 | 2.470 | 2.470 | 2.710 | 2.470 |
| | 7 | 2.200 | 2.450 | 3.180 | 2.450 |
| | 13 | 2.450 | 2.690 | 2.940 | 2.200 |
| Prot (g/l) | | | | | |
| week: | -1 | 53.82 | 55.09 | 54.92 | 59.08 |
| | 7 | 52.57 | 54.39 | 54.77 | 58.06 |
| | 13 | 57.06 | 56.80 | 56.72 | 59.72 |
| Alb (g/l) | | | | | |
| week: | -1 | 32.85 | 32.65 | 32.91 | 34.78 |
| | 7 | 32.88 | 31.49 | 32.41 | 34.47 |
| | 13 | 34.11 | 32.90 | 33.20 | 33.49 |
| Glob (g/l) | | | | | |
| week: | -1 | 20.97 | 22.44 | 22.01 | 24.30 |
| | 7 | 19.69 | 22.90 | 22.36 | 23.59 |
| | 13 | 22.95 | 23.90 | 23.52 | 26.23 |

Test No.: 943128

Test Article: CGA 329351 tech.

Blood chemistry (individuals): females

group 5
1250 ppm

| | | Animal no | | | |
|------------------------------|----|-----------|-------|-------|-------|
| | | 37 | 38 | 39 | 40 |
| A/G (1) | | | | | |
| week: | -1 | 1.570 | 1.450 | 1.500 | 1.430 |
| | 7 | 1.670 | 1.380 | 1.450 | 1.460 |
| | 13 | 1.490 | 1.380 | 1.410 | 1.280 |
| Chol (mmol/l) | | | | | |
| week: | -1 | 4.170 | 4.150 | 4.100 | 3.720 |
| | 7 | 3.730 | 3.860 | 4.200 | 3.190 |
| | 13 | 4.180 | 3.950 | 3.770 | 2.860 |
| Trigly (mmol/l) | | | | | |
| week: | -1 | 0.320 | 0.330 | 0.470 | 0.400 |
| | 7 | 0.310 | 0.300 | 0.440 | 0.450 |
| | 13 | 0.330 | 0.230 | 0.210 | 0.320 |
| Phos-Lip (mmol/l) | | | | | |
| week: | -1 | 5.030 | 4.860 | 4.970 | 4.510 |
| | 7 | 4.730 | 4.760 | 5.040 | 4.010 |
| | 13 | 5.100 | 4.890 | 4.560 | 3.980 |
| Na ⁺ (mmol/l) | | | | | |
| week: | -1 | 148.9 | 149.6 | 148.2 | 150.1 |
| | 7 | 147.2 | 148.6 | 148.1 | 148.0 |
| | 13 | 147.8 | 149.2 | 148.2 | 148.4 |
| K ⁺ (mmol/l) | | | | | |
| week: | -1 | 4.230 | 4.550 | 4.070 | 4.810 |
| | 7 | 3.960 | 4.250 | 3.730 | 4.280 |
| | 13 | 3.770 | 3.970 | 4.080 | 4.170 |
| Ca ⁺⁺ (mmol/l) | | | | | |
| week: | -1 | 2.820 | 2.860 | 2.820 | 2.870 |
| | 7 | 2.860 | 2.870 | 2.880 | 2.900 |
| | 13 | 2.670 | 2.730 | 2.650 | 2.660 |

Blood chemistry (individuals): females

group 5
 1250 ppm

| | | 37 | 38 | 39 | 40 |
|---------------------|----------|-----------|-------|-------|-------|
| | | Animal no | | | |
| Cl- (mmol/l) | week: -1 | 110.3 | 111.8 | 110.0 | 111.4 |
| | 7 | 108.1 | 110.0 | 107.7 | 111.0 |
| | 13 | 112.7 | 114.7 | 115.6 | 113.3 |
| | | | | | |
| PO4-in (mmol/l) | week: -1 | 1.960 | 1.910 | 1.990 | 1.900 |
| | 7 | 1.600 | 1.570 | 1.660 | 1.560 |
| | 13 | 1.500 | 1.730 | 1.530 | 1.370 |
| | | | | | |
| ASAT (GOT) (U/l) | week: -1 | 21.70 | 29.80 | 20.50 | 24.90 |
| | 7 | 19.90 | 24.90 | 19.30 | 22.40 |
| | 13 | 18.00 | 23.00 | 19.90 | 21.10 |
| | | | | | |
| ALAT (GPT) (U/l) | week: -1 | 47.40 | 61.50 | 54.10 | 45.20 |
| | 7 | 39.20 | 42.90 | 42.90 | 45.20 |
| | 13 | 45.20 | 43.70 | 53.30 | 41.50 |
| | | | | | |
| AlP (U/l) | week: -1 | 97.50 | 94.40 | 96.90 | 87.00 |
| | 7 | 157.1 | 171.2 | 178.5 | 185.3 |
| | 13 | 140.6 | 169.3 | 174.7 | 179.2 |
| | | | | | |
| GGT (U/l) | week: -1 | 3.800 | 3.200 | 3.800 | 3.800 |
| | 7 | 4.150 | 3.200 | 3.150 | 3.200 |
| | 13 | 5.100 | 0.000 | 2.500 | 3.200 |
| | | | | | |
| CK (U/l) | week: -1 | 194.0 | 413.4 | 182.3 | 269.2 |
| | 7 | 190.8 | 180.2 | 129.3 | 186.6 |
| | 13 | 129.3 | 147.3 | 114.5 | 131.4 |
| | | | | | |

Test No.: 943128

Test Article: CGA 329351 tech.

6.9. Urine analysis (individuals)

Urine analysis (individuals): males group 1
0 ppm

| | | Animal no | | | |
|-----------------|----|-----------|-------|-------|-------|
| | | 1 | 2 | 3 | 4 |
| Rel dens (1) | | | | | |
| week: | -1 | 1.028 | 1.049 | 1.032 | 1.026 |
| | 7 | 1.017 | 1.013 | 1.028 | 1.014 |
| | 13 | 1.034 | 1.031 | 1.031 | 1.018 |
| pH (1) | | | | | |
| week: | -1 | 7.500 | 6.500 | 5.500 | 5.500 |
| | 7 | 6.000 | 5.000 | 7.000 | 5.000 |
| | 13 | 5.750 | 6.000 | 6.500 | 6.500 |

Urine analysis (individuals): males group 2
50 ppm

| | | Animal no | | | |
|-----------------|----|-----------|-------|-------|-------|
| | | 5 | 6 | 7 | 8 |
| Rel dens (1) | | | | | |
| week: | -1 | 1.016 | 1.041 | 1.016 | 1.030 |
| | 7 | 1.029 | 1.026 | 1.012 | 1.032 |
| | 13 | 1.033 | 1.036 | 1.025 | 1.025 |
| pH (1) | | | | | |
| week: | -1 | 5.500 | 6.500 | 5.500 | 6.500 |
| | 7 | 5.500 | 5.500 | 5.000 | 6.500 |
| | 13 | 6.000 | 6.000 | 6.500 | 6.500 |

Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (individuals): males

group 3
125 ppm

| | | Animal no | | | |
|----------|-----|-----------|-------|-------|-------|
| | | 9 | 10 | 11 | 12 |
| Rel dens | (1) | | | | |
| week: | -1 | 1.038 | 1.046 | 1.027 | 1.049 |
| | 7 | 1.045 | 1.032 | 1.026 | 1.020 |
| | 13 | 1.022 | 1.031 | 1.027 | 1.042 |
| pH | (1) | | | | |
| week: | -1 | 7.000 | 6.000 | 7.500 | 9.000 |
| | 7 | 7.000 | 5.000 | 7.500 | 5.500 |
| | 13 | 7.000 | 6.000 | 6.000 | 6.500 |

Urine analysis (individuals): males

group 4
250 ppm

| | | Animal no | | | |
|----------|-----|-----------|-------|-------|-------|
| | | 13 | 14 | 15 | 16 |
| Rel dens | (1) | | | | |
| week: | -1 | 1.032 | 1.013 | 1.028 | 1.013 |
| | 7 | 1.017 | 1.011 | 1.014 | 1.011 |
| | 13 | 1.029 | 1.029 | 1.014 | 1.015 |
| pH | (1) | | | | |
| week: | -1 | 5.500 | 5.500 | 6.500 | 6.000 |
| | 7 | 5.000 | 5.000 | 7.000 | 6.000 |
| | 13 | 6.500 | 6.000 | 6.500 | 5.500 |

Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (individuals): males

group 5
1250 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 17 | 18 | 19 | 20 |
| Rel dens | | | | | |
| (1) | | | | | |
| week: | -1 | 1.019 | 1.032 | 1.024 | 1.047 |
| | 7 | 1.005 | 1.023 | 1.022 | 1.017 |
| | 13 | 1.011 | 1.016 | 1.032 | 1.023 |
| pH | | | | | |
| (1) | | | | | |
| week: | -1 | 6.000 | 6.000 | 6.000 | 5.500 |
| | 7 | 5.000 | 5.000 | 5.500 | 5.000 |
| | 13 | 6.000 | 6.000 | 6.000 | 6.000 |

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Urine analysis (individuals): females

group 1
0 ppm

| | | 21 | 22 | 23 | 24 |
|----------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| Rel dens | | | | | |
| (1) | | | | | |
| week: | -1 | 1.021 | 1.032 | 1.052 | 1.052 |
| | 7 | 1.015 | 1.018 | 1.030 | 1.016 |
| | 13 | 1.035 | 1.039 | 1.032 | 1.033 |
| pH | | | | | |
| (1) | | | | | |
| week: | -1 | 7.000 | 5.500 | 6.500 | 6.500 |
| | 7 | 5.500 | 5.500 | 6.500 | 6.000 |
| | 13 | 6.500 | 6.500 | 6.500 | 6.500 |

Urine analysis (individuals): females

group 2
50 ppm

| | | 25 | 26 | 27 | 28 |
|----------|----|-----------|-------|-------|-------|
| | | Animal no | | | |
| Rel dens | | | | | |
| (1) | | | | | |
| week: | -1 | 1.016 | 1.024 | 1.023 | 1.032 |
| | 7 | 1.019 | 1.022 | 1.025 | 1.021 |
| | 13 | 1.023 | 1.028 | 1.024 | 1.039 |
| pH | | | | | |
| (1) | | | | | |
| week: | -1 | 6.500 | 5.000 | 7.500 | 6.000 |
| | 7 | 7.500 | 5.000 | 7.500 | 5.500 |
| | 13 | 6.500 | 7.000 | 7.000 | 6.000 |

Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (individuals): females

group 3
125 ppm

| | | Animal no | | | |
|-----------------|----|-----------|-------|-------|-------|
| | | 29 | 30 | 31 | 32 |
| Rel dens (1) | | | | | |
| week: | -1 | 1.042 | 1.010 | 1.012 | 1.020 |
| | 7 | 1.028 | 1.019 | 1.031 | 1.020 |
| | 13 | 1.016 | 1.041 | n.d. | 1.015 |
| pH (1) | | | | | |
| week: | -1 | 7.500 | 6.000 | 5.000 | 6.000 |
| | 7 | 7.500 | 7.000 | 6.500 | 5.000 |
| | 13 | 8.500 | 8.500 | n.d. | 6.000 |

Urine analysis (individuals): females

group 4
250 ppm

| | | Animal no | | | |
|-----------------|----|-----------|-------|-------|-------|
| | | 33 | 34 | 35 | 36 |
| Rel dens (1) | | | | | |
| week: | -1 | 1.013 | 1.016 | 1.041 | 1.038 |
| | 7 | 1.010 | 1.026 | 1.017 | 1.012 |
| | 13 | 1.025 | 1.012 | 1.011 | 1.027 |
| pH (1) | | | | | |
| week: | -1 | 7.000 | 6.000 | 6.000 | 8.750 |
| | 7 | 6.500 | 6.000 | 5.000 | 7.500 |
| | 13 | 8.500 | 6.500 | 7.000 | 9.000 |

Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (individuals): females

group 5
1250 ppm

| | | Animal no | | | |
|----------|----|-----------|-------|-------|-------|
| | | 37 | 38 | 39 | 40 |
| Rel dens | | | | | |
| (1) | | | | | |
| week: | -1 | 1.024 | 1.015 | 1.014 | 1.037 |
| | 7 | 1.020 | 1.008 | 1.014 | 1.022 |
| | 13 | 1.029 | 1.035 | 1.016 | 1.036 |
| pH | | | | | |
| (1) | | | | | |
| week: | -1 | 7.500 | 5.500 | 8.500 | 6.500 |
| | 7 | 6.500 | 5.500 | 8.000 | 7.000 |
| | 13 | 7.000 | 6.000 | 6.000 | 8.000 |

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Urine analysis (individuals): males

group 1
 0 ppm

| | | Animal no | | | |
|-------------------|----|-----------|---|---|---|
| | | 1 | 2 | 3 | 4 |
| Color (choice) | | | | | |
| week: | -1 | N | N | N | N |
| | 7 | N | N | N | N |
| | 13 | N | N | N | N |
| Prot (score) | | | | | |
| week: | -1 | + | + | 0 | 0 |
| | 7 | 0 | 0 | + | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Gluc (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Keto (score) | | | | | |
| week: | -1 | 0 | + | + | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | + | 0 | + |
| Bili (score) | | | | | |
| week: | -1 | 0 | 0 | + | 0 |
| | 7 | 0 | 0 | + | 0 |
| | 13 | + | + | + | 0 |
| Blood (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| UBG (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |

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Urine analysis (individuals): males

group 1
 0 ppm

| | | Animal no | | | |
|----------|----|-----------|---|-----|----|
| | | 1 | 2 | 3 | 4 |
| RBC | | | | | |
| (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | + |
| WBC | | | | | |
| (score) | | | | | |
| week: | 7 | + | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Epi-squa | | | | | |
| (score) | | | | | |
| week: | -1 | + | 0 | ++ | ++ |
| | 13 | + | 0 | 0 | 0 |
| Epi-tr | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | + | 0 | ++ |
| | 7 | + | 0 | 0 | 0 |
| | 13 | + | + | 0 | + |
| Cst-Gran | | | | | |
| (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | 0 |
| Cry-PO4 | | | | | |
| (score) | | | | | |
| week: | -1 | + | 0 | 0 | 0 |
| | 7 | + | 0 | ++ | 0 |
| | 13 | 0 | 0 | +++ | 0 |
| Cry-Caox | | | | | |
| (score) | | | | | |
| week: | 13 | 0 | 0 | + | 0 |

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Urine analysis (individuals): males

group 2
 50 ppm

| | | Animal no | | | |
|-------------------|----|-----------|---|---|---|
| | | 5 | 6 | 7 | 8 |
| Color (choice) | | | | | |
| week: | -1 | N | N | N | N |
| | 7 | N | N | N | N |
| | 13 | N | N | N | N |
| Prot (score) | | | | | |
| week: | -1 | 0 | + | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Gluc (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Keto (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | + | 0 | + |
| Bili (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | + | 0 | 0 | + |
| | 13 | ++ | 0 | + | + |
| Blood (score) | | | | | |
| week: | -1 | + | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| UBG (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |

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Urine analysis (individuals): males

group 2
 50 ppm

| | | Animal no | | | |
|---------------------|----|-----------|---|---|---|
| | | 5 | 6 | 7 | 8 |
| RBC (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | 0 |
| WBC (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Epi-squa (score) | | | | | |
| week: | -1 | ++ | 0 | + | + |
| | 13 | 0 | 0 | 0 | 0 |
| Epi-tr (score) | | | | | |
| week: | -1 | + | 0 | 0 | 0 |
| | 7 | 0 | + | + | 0 |
| | 13 | +++ | + | + | + |
| Cst-Gran (score) | | | | | |
| week: | 13 | + | 0 | 0 | 0 |
| Cry-PO4 (score) | | | | | |
| week: | -1 | 0 | + | 0 | 0 |
| | 7 | 0 | 0 | 0 | + |
| | 13 | 0 | 0 | + | + |
| Cry-Caox (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | 0 |

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Urine analysis (individuals): males

group 3
 125 ppm

| | | Animal no | | | |
|-------------------|----|-----------|----|----|-----|
| | | 9 | 10 | 11 | 12 |
| Color (choice) | | | | | |
| week: | -1 | N | N | N | N |
| | 7 | N | N | N | N |
| | 13 | N | N | N | N |
| Prot (score) | | | | | |
| week: | -1 | + | + | 0 | +++ |
| | 7 | + | 0 | 0 | 0 |
| | 13 | 0 | + | 0 | 0 |
| Gluc (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Keto (score) | | | | | |
| week: | -1 | 0 | 0 | + | 0 |
| | 7 | + | + | 0 | 0 |
| | 13 | + | + | + | + |
| Bili (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | + | 0 | 0 | 0 |
| | 13 | 0 | + | 0 | + |
| Blood (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| UBG (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |

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Urine analysis (individuals): males

group 3
 125 ppm

| | | Animal no | | | |
|---------------------|----|-----------|----|----|-----|
| | | 9 | 10 | 11 | 12 |
| RBC (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | 0 |
| WBC (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 |
| | 13 | + | 0 | 0 | 0 |
| Epi-squa (score) | | | | | |
| week: | -1 | 0 | 0 | + | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Epi-tr (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | ++ |
| | 7 | + | + | + | ++ |
| | 13 | + | + | + | + |
| Cst-Gran (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | 0 |
| Cry-PO4 (score) | | | | | |
| week: | -1 | ++ | 0 | ++ | +++ |
| | 7 | ++ | 0 | ++ | 0 |
| | 13 | + | 0 | 0 | ++ |
| Cry-Caox (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | 0 |

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Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (individuals): males

group 4
250 ppm

| | | Animal no | | | |
|-------------------|----|-----------|----|----|----|
| | | 13 | 14 | 15 | 16 |
| Color (choice) | | | | | |
| week: | -1 | N | N | N | N |
| | 7 | N | N | N | N |
| | 13 | N | N | N | N |
| Prot (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | + | 0 | 0 | 0 |
| Gluc (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Keto (score) | | | | | |
| week: | -1 | 0 | 0 | + | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | + | + | 0 | 0 |
| Bili (score) | | | | | |
| week: | -1 | + | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | + | 0 | 0 | 0 |
| Blood (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | + | 0 |
| | 13 | + | 0 | 0 | 0 |
| UBG (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |

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Urine analysis (individuals): males

group 4
 250 ppm

| | | Animal no | | | |
|---------------------|----|-----------|----|----|----|
| | | 13 | 14 | 15 | 16 |
| RBC (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | 0 |
| WBC (score) | | | | | |
| week: | 7 | + | 0 | 0 | 0 |
| | 13 | ++ | 0 | 0 | 0 |
| Epi-squa (score) | | | | | |
| week: | -1 | ++ | + | + | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Epi-tr (score) | | | | | |
| week: | -1 | ++ | + | + | 0 |
| | 7 | + | + | ++ | ++ |
| | 13 | + | + | + | 0 |
| Cst-Gran (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | 0 |
| Cry-PO4 (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | + | 0 |
| | 13 | + | 0 | 0 | 0 |
| Cry-Caox (score) | | | | | |
| week: | 13 | 0 | 0 | 0 | 0 |

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Urine analysis (individuals): males

group 5
 1250 ppm

| | | Animal no | | | |
|-------------------|----|-----------|----|----|----|
| | | 17 | 18 | 19 | 20 |
| Color (choice) | | | | | |
| week: | -1 | N | N | N | N |
| | 7 | N | N | N | N |
| | 13 | N | N | N | N |
| Prot (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | + |
| | 7 | 0 | 0 | + | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Gluc (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Keto (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | + |
| | 7 | 0 | + | + | 0 |
| | 13 | 0 | + | + | + |
| Bili (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | + | 0 |
| | 13 | 0 | 0 | + | 0 |
| Blood (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| UBG (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |

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Urine analysis (individuals): males

group 5
 1250 ppm

| | | 17 | 18 | 19 | 20 |
|---------------------|----|-----------|----|----|----|
| | | Animal no | | | |
| RBC (score) | | | | | |
| week: 13 | 0 | 0 | 0 | 0 | 0 |
| WBC (score) | | | | | |
| week: 7 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 |
| Epi-squa (score) | | | | | |
| week: -1 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 |
| Epi-tr (score) | | | | | |
| week: -1 | + | 0 | + | + | + |
| 7 | + | 0 | 0 | 0 | 0 |
| 13 | ++ | + | + | 0 | 0 |
| Cst-Gran (score) | | | | | |
| week: 13 | 0 | 0 | 0 | 0 | 0 |
| Cry-PO4 (score) | | | | | |
| week: -1 | 0 | ++ | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 |
| Cry-Caox (score) | | | | | |
| week: 13 | 0 | 0 | 0 | 0 | 0 |

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Urine analysis (individuals): females

group 1
0 ppm

| | | 21 | 22 | 23 | 24 | Animal no |
|----------|----|----|----|----|----|-----------|
| RBC | | | | | | |
| (score) | | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 | |
| | 13 | 0 | 0 | 0 | 0 | |
| WBC | | | | | | |
| (score) | | | | | | |
| week: | 7 | + | 0 | 0 | 0 | |
| | 13 | 0 | 0 | ++ | + | |
| Epi-squa | | | | | | |
| (score) | | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 | |
| Epi-tr | | | | | | |
| (score) | | | | | | |
| week: | -1 | + | 0 | 0 | + | |
| | 7 | ++ | 0 | 0 | 0 | |
| | 13 | + | 0 | + | + | |
| Cry-PO4 | | | | | | |
| (score) | | | | | | |
| week: | -1 | + | 0 | ++ | + | |
| | 7 | 0 | 0 | + | 0 | |
| | 13 | 0 | 0 | 0 | 0 | |

Urine analysis (individuals): females

group 2
50 ppm

| | | 25 | 26 | 27 | 28 | Animal no |
|----------|----|----|----|----|----|-----------|
| Color | | | | | | |
| (choice) | | | | | | |
| week: | -1 | N | N | N | N | |
| | 7 | N | N | N | N | |
| | 13 | N | N | N | N | |

Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (individuals): females

group 2
50 ppm

| | | Animal no | | | |
|---------|----|-----------|----|----|----|
| | | 25 | 26 | 27 | 28 |
| Prot | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | + | 0 |
| | 13 | + | 0 | 0 | + |
| Gluc | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Keto | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | + |
| | 7 | + | + | + | + |
| | 13 | + | + | + | + |
| Bili | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Blood | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | +++ | 0 | + | + |
| UBG | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| RBC | | | | | |
| (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | + | 0 | 0 |
| WBC | | | | | |
| (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 |
| | 13 | ++ | 0 | + | + |

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Urine analysis (individuals): females

group 2
50 ppm

| | | Animal no | | | |
|---------------------|----|-----------|----|----|----|
| | | 25 | 26 | 27 | 28 |
| Epi-squa (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 |
| Epi-tr (score) | | | | | |
| week: | -1 | ++ | 0 | 0 | 0 |
| | 7 | + | + | 0 | 0 |
| | 13 | ++ | + | 0 | + |
| Cry-PO4 (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | + | ++ | 0 | + |
| | 13 | 0 | 0 | + | 0 |

Urine analysis (individuals): females

group 3
125 ppm

| | | Animal no | | | |
|-------------------|----|-----------|----|------|----|
| | | 29 | 30 | 31 | 32 |
| Color (choice) | | | | | |
| week: | -1 | N | N | N | N |
| | 7 | N | N | N | N |
| | 13 | N | N | n.d. | N |
| Prot (score) | | | | | |
| week: | -1 | + | 0 | 0 | 0 |
| | 7 | 0 | 0 | + | 0 |
| | 13 | 0 | + | n.d. | 0 |
| Gluc (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | n.d. | 0 |

Urine analysis (individuals): females

group 3
 125 ppm

| | | Animal no | | | |
|----------|----|-----------|----|------|-----|
| | | 29 | 30 | 31 | 32 |
| Keto | | | | | |
| (score) | | | | | |
| week: | -1 | + | 0 | 0 | + |
| | 7 | + | 0 | 0 | + |
| | 13 | 0 | + | n.d. | 0 |
| Bili | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | n.d. | 0 |
| Blood | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | ++ |
| | 13 | 0 | 0 | n.d. | + |
| UBG | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | n.d. | 0 |
| RBC | | | | | |
| (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | ++ |
| | 13 | 0 | + | n.d. | + |
| WBC | | | | | |
| (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | + |
| | 13 | 0 | 0 | n.d. | 0 |
| Epi-squa | | | | | |
| (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | + |
| Epi-tr | | | | | |
| (score) | | | | | |
| week: | -1 | ++ | 0 | 0 | + |
| | 7 | 0 | 0 | + | +++ |
| | 13 | + | + | n.d. | + |

Urine analysis (individuals): females

group 3
125 ppm

| | | 29 | 30 | 31 | 32 | Animal no |
|--------------------|----|-----|----|------|----|-----------|
| Cry-PO4 (score) | | | | | | |
| week: | -1 | +++ | 0 | 0 | 0 | |
| | 7 | 0 | + | + | 0 | |
| | 13 | + | + | n.d. | 0 | |

Urine analysis (individuals): females

group 4
250 ppm

| | | 33 | 34 | 35 | 36 | Animal no |
|-------------------|----|----|----|----|-----|-----------|
| Color (choice) | | | | | | |
| week: | -1 | N | N | N | N | |
| | 7 | N | N | N | N | |
| | 13 | N | N | N | N | |
| Prot (score) | | | | | | |
| week: | -1 | 0 | 0 | + | +++ | |
| | 7 | 0 | 0 | 0 | 0 | |
| | 13 | + | 0 | 0 | + | |
| Gluc (score) | | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 | |
| | 7 | 0 | 0 | 0 | 0 | |
| | 13 | 0 | 0 | 0 | 0 | |
| Keto (score) | | | | | | |
| week: | -1 | + | + | 0 | 0 | |
| | 7 | + | 0 | + | 0 | |
| | 13 | 0 | 0 | 0 | 0 | |
| Bili (score) | | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 | |
| | 7 | 0 | 0 | 0 | 0 | |
| | 13 | 0 | 0 | 0 | 0 | |

Urine analysis (individuals): females

group 4
 250 ppm

| | | 33 | 34 | 35 | 36 |
|---------------------|----|-----------|-----|----|-----|
| | | Animal no | | | |
| Blood (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | ++ | 0 | 0 | 0 |
| | 13 | 0 | +++ | 0 | 0 |
| UBG (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| RBC (score) | | | | | |
| week: | 7 | + | 0 | 0 | 0 |
| | 13 | 0 | + | 0 | 0 |
| WBC (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Epi-squa (score) | | | | | |
| week: | 7 | 0 | 0 | + | 0 |
| Epi-tr (score) | | | | | |
| week: | -1 | 0 | ++ | 0 | 0 |
| | 7 | + | 0 | + | 0 |
| | 13 | 0 | 0 | + | + |
| Cry-PO4 (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | +++ |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | + | 0 |

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Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (individuals): females

group 5
1250 ppm

| | | Animal no | | | |
|-------------------|----|-----------|----|----|----|
| | | 37 | 38 | 39 | 40 |
| Color (choice) | | | | | |
| week: | -1 | N | N | N | N |
| | 7 | N | N | N | N |
| | 13 | N | N | N | N |
| Prot (score) | | | | | |
| week: | -1 | + | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | + |
| Gluc (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Keto (score) | | | | | |
| week: | -1 | 0 | 0 | + | + |
| | 7 | + | 0 | + | + |
| | 13 | + | 0 | + | + |
| Bili (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| Blood (score) | | | | | |
| week: | -1 | + | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | + | 0 | 0 | 0 |
| UBG (score) | | | | | |
| week: | -1 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |

Test No.: 943128

Test Article: CGA 329351 tech.

Urine analysis (individuals): females

group 5
1250 ppm

| | | Animal no | | | |
|----------|----|-----------|----|----|----|
| | | 37 | 38 | 39 | 40 |
| RBC | | | | | |
| (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 |
| | 13 | 0 | 0 | 0 | 0 |
| WBC | | | | | |
| (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 |
| | 13 | + | 0 | 0 | 0 |
| Epi-squa | | | | | |
| (score) | | | | | |
| week: | 7 | 0 | 0 | 0 | 0 |
| Epi-tr | | | | | |
| (score) | | | | | |
| week: | -1 | ++ | 0 | ++ | 0 |
| | 7 | + | 0 | 0 | 0 |
| | 13 | + | + | + | + |
| Cry-PO4 | | | | | |
| (score) | | | | | |
| week: | -1 | 0 | 0 | ++ | + |
| | 7 | + | 0 | 0 | + |
| | 13 | + | 0 | 0 | + |

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6.10. Organ weights and ratios (individuals)

6.10.1. Organ weights (individuals)

Organ weights (individuals) : males

group 1 : 0 ppm

week 14

| | Animal no | | | |
|--------------------|-----------|-------|-------|-------|
| | 1 | 2 | 3 | 4 |
| Body (kg) | 10.06 | 10.56 | 10.64 | 9.960 |
| Brain (g) | 83.90 | 87.46 | 84.24 | 80.11 |
| Heart (g) | 97.43 | 108.5 | 98.45 | 93.66 |
| Liver (g) | 304.8 | 316.6 | 360.5 | 319.9 |
| Kidney (both) (g) | 53.38 | 45.50 | 61.78 | 48.79 |
| Adrenal (both) (g) | 1.016 | 0.991 | 1.149 | 1.141 |
| Thymus (g) | 5.207 | 4.170 | 7.104 | 9.965 |
| Testis (both) (g) | 16.65 | 16.79 | 21.73 | 17.83 |
| Spleen (g) | 20.24 | 21.92 | 27.48 | 22.03 |
| Thyroid gland (g) | 0.816 | 0.790 | 0.799 | 0.708 |

Test No.: 943128

Test Article: CGA 329351 tech.

Organ weights (individuals) : males

group 2 : 50 ppm

week 14

| | Animal no | | | |
|--------------------|-----------|-------|-------|-------|
| | 5 | 6 | 7 | 8 |
| Body (kg) | 10.32 | 10.28 | 10.96 | 10.18 |
| Brain (g) | 89.85 | 84.20 | 83.18 | 78.72 |
| Heart (g) | 94.86 | 91.47 | 101.7 | 104.9 |
| Liver (g) | 348.7 | 387.3 | 317.6 | 320.7 |
| Kidney (both) (g) | 53.85 | 49.29 | 45.93 | 58.14 |
| Adrenal (both) (g) | 1.079 | 1.343 | 1.035 | 0.772 |
| Thymus (g) | 4.887 | 8.646 | 10.27 | 4.687 |
| Testis (both) (g) | 18.21 | 17.78 | 17.18 | 12.63 |
| Spleen (g) | 33.45 | 43.35 | 42.47 | 22.27 |
| Thyroid gland (g) | 0.650 | 0.766 | 1.106 | 0.943 |

Organ weights (individuals) : males

group 3 : 125 ppm

week 14

| | Animal no | | | |
|-----------|-----------|-------|-------|-------|
| | 9 | 10 | 11 | 12 |
| Body (kg) | 11.20 | 10.46 | 11.60 | 10.30 |
| Brain (g) | 74.94 | 79.37 | 88.87 | 80.53 |

Test No.: 943128

Test Article: CGA 329351 tech.

Organ weights (individuals) : males

group 3 : 125 ppm

week 14

| | Animal no | | | |
|-----------------------|-----------|-------|-------|-------|
| | 9 | 10 | 11 | 12 |
| Heart (g) | 95.06 | 88.80 | 98.38 | 97.96 |
| Liver (g) | 379.8 | 371.8 | 337.5 | 308.3 |
| Kidney (both) (g) | 60.44 | 55.67 | 49.21 | 43.39 |
| Adrenal (both) (g) | 1.120 | 1.185 | 1.315 | 0.990 |
| Thymus (g) | 7.702 | 5.282 | 9.035 | 8.682 |
| Testis (both) (g) | 20.01 | 19.19 | 16.65 | 15.74 |
| Spleen (g) | 21.30 | 26.06 | 46.06 | 30.87 |
| Thyroid gland (g) | 0.803 | 0.990 | 0.909 | 1.121 |

Organ weights (individuals) : males

group 4 : 250 ppm

week 14

| | Animal no | | | |
|--------------|-----------|-------|-------|-------|
| | 13 | 14 | 15 | 16 |
| Body (kg) | 10.26 | 10.62 | 11.24 | 11.00 |
| Brain (g) | 84.47 | 91.22 | 90.17 | 94.73 |
| Heart (g) | 89.31 | 92.78 | 98.40 | 91.89 |
| Liver (g) | 344.8 | 321.9 | 340.2 | 339.2 |

Test No.: 943128

Test Article: CGA 329351 tech.

Organ weights (individuals) : males

group 4 : 250 ppm

week 14

| | Animal no | | | |
|-----------------------|-----------|-------|-------|-------|
| | 13 | 14 | 15 | 16 |
| Kidney (both) (g) | 56.26 | 46.80 | 55.94 | 57.07 |
| Adrenal (both) (g) | 1.137 | 1.160 | 1.103 | 1.074 |
| Thymus (g) | 5.348 | 7.723 | 10.26 | 6.592 |
| Testis (both) (g) | 16.98 | 17.39 | 16.68 | 17.28 |
| Spleen (g) | 41.12 | 61.50 | 27.51 | 23.30 |
| Thyroid gland (g) | 0.866 | 1.094 | 0.852 | 0.790 |

Organ weights (individuals) : males

group 5 : 1250 ppm

week 14

| | Animal no | | | |
|-----------------------|-----------|-------|-------|-------|
| | 17 | 18 | 19 | 20 |
| Body (kg) | 9.660 | 9.820 | 12.00 | 9.940 |
| Brain (g) | 74.60 | 82.52 | 86.20 | 80.16 |
| Heart (g) | 86.28 | 96.02 | 103.6 | 104.5 |
| Liver (g) | 414.0 | 380.4 | 453.7 | 380.3 |
| Kidney (both) (g) | 48.76 | 49.00 | 60.52 | 51.38 |
| Adrenal (both) (g) | 1.247 | 1.092 | 1.433 | 0.866 |

Organ weights (individuals) : males

group 5 : 1250 ppm

week 14

| | 17 | 18 | 19 | Animal no 20 |
|----------------------|-------|-------|-------|-----------------|
| Thymus (g) | 4.648 | 9.740 | 6.488 | 9.945 |
| Testis (both) (g) | 14.57 | 18.64 | 18.10 | 14.63 |
| Spleen (g) | 23.53 | 23.02 | 49.09 | 35.90 |
| Thyroid gland (g) | 0.751 | 0.871 | 1.107 | 1.058 |

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Organ weights (individuals) : females

group 1 : 0 ppm

week 14

| | Animal no | | | |
|--------------------|-----------|-------|-------|-------|
| | 21 | 22 | 23 | 24 |
| Body (kg) | 9.900 | 10.24 | 9.920 | 10.66 |
| Brain (g) | 83.33 | 85.52 | 77.15 | 87.29 |
| Heart (g) | 96.01 | 106.9 | 104.9 | 104.1 |
| Liver (g) | 277.7 | 282.6 | 330.6 | 320.7 |
| Kidney (both) (g) | 47.82 | 47.28 | 56.20 | 44.12 |
| Adrenal (both) (g) | 1.170 | 1.341 | 1.191 | 1.210 |
| Thymus (g) | 6.947 | 12.71 | 7.662 | 11.40 |
| Ovary (both) (g) | 1.211 | 0.792 | 0.843 | 0.675 |
| Spleen (g) | 28.20 | 57.28 | 35.20 | 66.05 |
| Thyroid gland (g) | 0.642 | 0.756 | 1.117 | 0.565 |

Organ weights (individuals) : females

group 2 : 50 ppm

week 14

| | Animal no | | | |
|-----------|-----------|-------|-------|-------|
| | 25 | 26 | 27 | 28 |
| Body (kg) | 9.640 | 10.74 | 9.480 | 10.52 |
| Brain (g) | 76.02 | 85.55 | 78.33 | 93.68 |

Organ weights (individuals) : females

group 2 : 50 ppm

week 14

| | Animal no | | | |
|--------------------|-----------|-------|-------|-------|
| | 25 | 26 | 27 | 28 |
| Heart (g) | 85.75 | 95.59 | 87.83 | 80.58 |
| Liver (g) | 251.7 | 297.7 | 266.7 | 339.2 |
| Kidney (both) (g) | 42.78 | 51.23 | 51.65 | 47.06 |
| Adrenal (both) (g) | 1.156 | 1.060 | 0.904 | 1.084 |
| Thymus (g) | 7.523 | 9.676 | 6.145 | 6.517 |
| Ovary (both) (g) | 0.846 | 0.525 | 0.782 | 0.713 |
| Spleen (g) | 27.93 | 25.98 | 18.70 | 47.11 |
| Thyroid gland (g) | 0.704 | 1.191 | 0.721 | 0.973 |

Organ weights (individuals) : females

group 3 : 125 ppm

week 14

| | Animal no | | | |
|-----------|-----------|-------|-------|-------|
| | 29 | 30 | 31 | 32 |
| Body (kg) | 8.660 | 10.80 | 10.38 | 9.460 |
| Brain (g) | 75.98 | 93.44 | 82.32 | 75.21 |
| Heart (g) | 78.54 | 93.00 | 106.4 | 86.66 |
| Liver (g) | 279.9 | 307.1 | 324.4 | 278.6 |

Test No.: 943128

Test Article: CGA 329351 tech.

Organ weights (individuals) : females

group 3 : 125 ppm

week 14

| | Animal no | | | |
|-----------------------|-----------|-------|-------|-------|
| | 29 | 30 | 31 | 32 |
| Kidney (both) (g) | 37.60 | 43.94 | 41.03 | 40.11 |
| Adrenal (both) (g) | 1.094 | 1.318 | 1.234 | 1.375 |
| Thymus (g) | 8.576 | 9.642 | 11.22 | 7.585 |
| Ovary (both) (g) | 0.957 | 0.906 | 2.949 | 0.824 |
| Spleen (g) | 40.15 | 62.62 | 46.56 | 23.53 |
| Thyroid gland (g) | 0.648 | 0.946 | 0.773 | 0.595 |

Organ weights (individuals) : females

group 4 : 250 ppm

week 14

| | Animal no | | | |
|-----------------------|-----------|-------|-------|-------|
| | 33 | 34 | 35 | 36 |
| Body (kg) | 9.020 | 10.60 | 10.12 | 8.760 |
| Brain (g) | 75.09 | 83.65 | 87.86 | 78.83 |
| Heart (g) | 74.97 | 95.49 | 104.4 | 106.2 |
| Liver (g) | 277.5 | 329.4 | 317.8 | 250.3 |
| Kidney (both) (g) | 40.77 | 41.43 | 49.90 | 40.51 |
| Adrenal (both) (g) | 1.020 | 1.223 | 1.315 | 1.167 |

Organ weights (individuals) : females

group 4 : 250 ppm

week 14

| | Animal no | | | |
|-------------------|-----------|-------|-------|-------|
| | 33 | 34 | 35 | 36 |
| Thymus (g) | 5.652 | 17.33 | 4.222 | 7.130 |
| Ovary (both) (g) | 0.889 | 2.672 | 0.803 | 0.794 |
| Spleen (g) | 24.65 | 35.03 | 34.80 | 24.59 |
| Thyroid gland (g) | 0.581 | 1.020 | 0.693 | 0.733 |

Organ weights (individuals) : females

group 5 : 1250 ppm

week 14

| | Animal no | | | |
|--------------------|-----------|-------|-------|-------|
| | 37 | 38 | 39 | 40 |
| Body (kg) | 10.06 | 10.60 | 9.200 | 9.240 |
| Brain (g) | 79.54 | 93.14 | 80.75 | 76.71 |
| Heart (g) | 86.97 | 103.2 | 88.99 | 91.78 |
| Liver (g) | 382.6 | 402.6 | 338.9 | 425.2 |
| Kidney (both) (g) | 48.89 | 49.12 | 52.02 | 38.00 |
| Adrenal (both) (g) | 1.536 | 1.183 | 1.004 | 1.146 |
| Thymus (g) | 7.705 | 8.844 | 5.004 | 7.120 |
| Ovary (both) (g) | 2.346 | 0.855 | 0.946 | 0.541 |

6.10.2. Organ to body weight ratios (individuals)

Organ to body weight ratios (individuals) : males

group 1 : 0 ppm week 14

| | Animal no | | | |
|--------------------------|-----------|-------|-------|-------|
| | 1 | 2 | 3 | 4 |
| Brain (o/oo) | 8.340 | 8.282 | 7.917 | 8.043 |
| Heart (o/oo) | 9.685 | 10.27 | 9.253 | 9.404 |
| Liver (o/oo) | 30.30 | 29.98 | 33.88 | 32.11 |
| Kidney (both) (o/oo) | 5.306 | 4.309 | 5.806 | 4.899 |
| Adrenal (both) (o/oo) | 0.101 | 0.094 | 0.108 | 0.115 |
| Thymus (o/oo) | 0.518 | 0.395 | 0.668 | 1.001 |
| Testis (both) (o/oo) | 1.655 | 1.590 | 2.042 | 1.790 |
| Spleen (o/oo) | 2.012 | 2.076 | 2.583 | 2.212 |
| Thyroid gland (o/oo) | 0.081 | 0.075 | 0.075 | 0.071 |

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Test No.: 943128

Test Article: CGA 329351 tech.

Organ to body weight ratios (individuals) : males

group 2 : 50 ppm

week 14

| | Animal no | | | |
|--------------------------|-----------|-------|-------|-------|
| | 5 | 6 | 7 | 8 |
| Brain (o/oo) | 8.706 | 8.191 | 7.589 | 7.733 |
| Heart (o/oo) | 9.192 | 8.898 | 9.275 | 10.30 |
| Liver (o/oo) | 33.79 | 37.68 | 28.98 | 31.50 |
| Kidney (both) (o/oo) | 5.218 | 4.795 | 4.191 | 5.711 |
| Adrenal (both) (o/oo) | 0.105 | 0.131 | 0.094 | 0.076 |
| Thymus (o/oo) | 0.474 | 0.841 | 0.937 | 0.460 |
| Testis (both) (o/oo) | 1.765 | 1.730 | 1.568 | 1.240 |
| Spleen (o/oo) | 3.241 | 4.217 | 3.875 | 2.188 |
| Thyroid gland (o/oo) | 0.063 | 0.075 | 0.101 | 0.093 |

Organ to body weight ratios (individuals) : males

group 3 : 125 ppm

week 14

| | Animal no | | | |
|-----------------|-----------|-------|-------|-------|
| | 9 | 10 | 11 | 12 |
| Brain (o/oo) | 6.691 | 7.588 | 7.661 | 7.818 |
| Heart (o/oo) | 8.488 | 8.489 | 8.481 | 9.511 |
| Liver (o/oo) | 33.91 | 35.55 | 29.09 | 29.94 |

Test No.: 943128

Test Article: CGA 329351 tech.

Organ to body weight ratios (individuals) : males

group 3 : 125 ppm

week 14

| | Animal no | | | |
|--------------------------|-----------|-------|-------|-------|
| | 9 | 10 | 11 | 12 |
| Kidney (both) (o/oo) | 5.396 | 5.322 | 4.242 | 4.213 |
| Adrenal (both) (o/oo) | 0.100 | 0.113 | 0.113 | 0.096 |
| Thymus (o/oo) | 0.688 | 0.505 | 0.779 | 0.843 |
| Testis (both) (o/oo) | 1.787 | 1.834 | 1.435 | 1.528 |
| Spleen (o/oo) | 1.902 | 2.491 | 3.971 | 2.997 |
| Thyroid gland (o/oo) | 0.072 | 0.095 | 0.078 | 0.109 |

Organ to body weight ratios (individuals) : males

group 4 : 250 ppm

week 14

| | Animal no | | | |
|--------------------------|-----------|-------|-------|-------|
| | 13 | 14 | 15 | 16 |
| Brain (o/oo) | 8.233 | 8.589 | 8.022 | 8.612 |
| Heart (o/oo) | 8.705 | 8.736 | 8.754 | 8.354 |
| Liver (o/oo) | 33.61 | 30.31 | 30.27 | 30.83 |
| Kidney (both) (o/oo) | 5.483 | 4.407 | 4.977 | 5.188 |
| Adrenal (both) (o/oo) | 0.111 | 0.109 | 0.098 | 0.098 |
| Thymus (o/oo) | 0.521 | 0.727 | 0.913 | 0.599 |

Organ to body weight ratios (individuals) : males

group 4 : 250 ppm week 14

| | 13 | 14 | 15 | Animal no 16 |
|-------------------------|-------|-------|-------|-----------------|
| Testis (both) (o/oo) | 1.655 | 1.637 | 1.484 | 1.571 |
| Spleen (o/oo) | 4.008 | 5.791 | 2.448 | 2.118 |
| Thyroid gland (o/oo) | 0.084 | 0.103 | 0.076 | 0.072 |

Organ to body weight ratios (individuals) : males

group 5 : 1250 ppm week 14

| | 17 | 18 | 19 | Animal no 20 |
|--------------------------|-------|-------|-------|-----------------|
| Brain (o/oo) | 7.723 | 8.403 | 7.183 | 8.064 |
| Heart (o/oo) | 8.932 | 9.778 | 8.636 | 10.52 |
| Liver (o/oo) | 42.85 | 38.74 | 37.81 | 38.26 |
| Kidney (both) (o/oo) | 5.048 | 4.990 | 5.043 | 5.169 |
| Adrenal (both) (o/oo) | 0.129 | 0.111 | 0.119 | 0.087 |
| Thymus (o/oo) | 0.481 | 0.992 | 0.541 | 1.001 |
| Testis (both) (o/oo) | 1.508 | 1.898 | 1.508 | 1.472 |
| Spleen (o/oo) | 2.436 | 2.344 | 4.091 | 3.612 |
| Thyroid gland (o/oo) | 0.078 | 0.089 | 0.092 | 0.106 |

Organ to body weight ratios (individuals) : females

group 1 : 0 ppm

week 14

| | 21 | 22 | 23 | Animal no 24 |
|--------------------------|-------|-------|-------|-----------------|
| Brain (o/oo) | 8.417 | 8.352 | 7.777 | 8.189 |
| Heart (o/oo) | 9.698 | 10.44 | 10.58 | 9.763 |
| Liver (o/oo) | 28.05 | 27.59 | 33.33 | 30.08 |
| Kidney (both) (o/oo) | 4.830 | 4.617 | 5.665 | 4.139 |
| Adrenal (both) (o/oo) | 0.118 | 0.131 | 0.120 | 0.114 |
| Thymus (o/oo) | 0.702 | 1.241 | 0.772 | 1.070 |
| Ovary (both) (o/oo) | 0.122 | 0.077 | 0.085 | 0.063 |
| Spleen (o/oo) | 2.848 | 5.594 | 3.548 | 6.196 |
| Thyroid gland (o/oo) | 0.065 | 0.074 | 0.113 | 0.053 |

Organ to body weight ratios (individuals) : females

group 2 : 50 ppm

week 14

| | 25 | 26 | 27 | Animal no 28 |
|-----------------|-------|-------|-------|-----------------|
| Brain (o/oo) | 7.886 | 7.966 | 8.263 | 8.905 |
| Heart (o/oo) | 8.895 | 8.900 | 9.265 | 7.660 |
| Liver (o/oo) | 26.11 | 27.72 | 28.13 | 32.24 |

Organ to body weight ratios (individuals) : females

group 2 : 50 ppm

week 14

| | 25 | 26 | 27 | Animal no 28 |
|--------------------------|-------|-------|-------|-----------------|
| Kidney (both) (o/oo) | 4.438 | 4.770 | 5.448 | 4.473 |
| Adrenal (both) (o/oo) | 0.120 | 0.099 | 0.095 | 0.103 |
| Thymus (o/oo) | 0.780 | 0.901 | 0.648 | 0.619 |
| Ovary (both) (o/oo) | 0.088 | 0.049 | 0.082 | 0.068 |
| Spleen (o/oo) | 2.897 | 2.419 | 1.973 | 4.478 |
| Thyroid gland (o/oo) | 0.073 | 0.111 | 0.076 | 0.092 |

Organ to body weight ratios (individuals) : females

group 3 : 125 ppm

week 14

| | 29 | 30 | 31 | Animal no 32 |
|--------------------------|-------|-------|-------|-----------------|
| Brain (o/oo) | 8.774 | 8.652 | 7.931 | 7.950 |
| Heart (o/oo) | 9.069 | 8.611 | 10.25 | 9.161 |
| Liver (o/oo) | 32.32 | 28.44 | 31.26 | 29.45 |
| Kidney (both) (o/oo) | 4.342 | 4.069 | 3.953 | 4.240 |
| Adrenal (both) (o/oo) | 0.126 | 0.122 | 0.119 | 0.145 |
| Thymus (o/oo) | 0.990 | 0.893 | 1.081 | 0.802 |

Test No.: 943128

Test Article: CGA 329351 tech.

Organ to body weight ratios (individuals) : females

group 3 : 125 ppm

week 14

| | Animal no | | | |
|-------------------------|-----------|-------|-------|-------|
| | 29 | 30 | 31 | 32 |
| Ovary (both) (o/oo) | 0.111 | 0.084 | 0.284 | 0.087 |
| Spleen (o/oo) | 4.636 | 5.798 | 4.486 | 2.487 |
| Thyroid gland (o/oo) | 0.075 | 0.088 | 0.074 | 0.063 |

Organ to body weight ratios (individuals) : females

group 4 : 250 ppm

week 14

| | Animal no | | | |
|--------------------------|-----------|-------|-------|-------|
| | 33 | 34 | 35 | 36 |
| Brain (o/oo) | 8.325 | 7.892 | 8.682 | 8.999 |
| Heart (o/oo) | 8.312 | 9.008 | 10.31 | 12.12 |
| Liver (o/oo) | 30.76 | 31.08 | 31.41 | 28.57 |
| Kidney (both) (o/oo) | 4.520 | 3.908 | 4.931 | 4.624 |
| Adrenal (both) (o/oo) | 0.113 | 0.115 | 0.130 | 0.133 |
| Thymus (o/oo) | 0.627 | 1.635 | 0.417 | 0.814 |
| Ovary (both) (o/oo) | 0.099 | 0.252 | 0.079 | 0.091 |
| Spleen (o/oo) | 2.733 | 3.305 | 3.439 | 2.807 |
| Thyroid gland (o/oo) | 0.064 | 0.096 | 0.068 | 0.084 |

Test No.: 943128

Test Article: CGA 329351 tech.

Organ to body weight ratios (individuals) : females

group 5 : 1250 ppm

week 14

| | Animal no | | | |
|--------------------------|-----------|-------|-------|-------|
| | 37 | 38 | 39 | 40 |
| Brain (o/oo) | 7.907 | 8.787 | 8.777 | 8.302 |
| Heart (o/oo) | 8.645 | 9.731 | 9.673 | 9.933 |
| Liver (o/oo) | 38.03 | 37.98 | 36.83 | 46.02 |
| Kidney (both) (o/oo) | 4.860 | 4.634 | 5.654 | 4.113 |
| Adrenal (both) (o/oo) | 0.153 | 0.112 | 0.109 | 0.124 |
| Thymus (o/oo) | 0.766 | 0.834 | 0.544 | 0.771 |
| Ovary (both) (o/oo) | 0.233 | 0.081 | 0.103 | 0.059 |
| Spleen (o/oo) | 2.862 | 5.059 | 3.450 | 2.407 |
| Thyroid gland (o/oo) | 0.083 | 0.082 | 0.082 | 0.066 |

6.11. Macroscopical and microscopical findings (individuals):

6.11.1. List of findings in individual males

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL MALES

Removal code : all Observation period : all

Selected experimental group(s) : all

Selected animals : all

Selected findings : all

| Group | 1 | 2 | 3 | 4 | 5 |
|--|---|----|-----|-----|------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Treatment ended in observation period, <u>selected</u> | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |

Abbreviations used in pathology tables

S1, S2.... scheduled sacrifice(s)
 MS moribund sacrifice
 FD found dead
 AD accidental death

Test No.: 943128

Test Article: CGA 329351 tech.

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL MALES

Exposure: 0 ppm

Male Nr. 1 / Days on study: 95 / Scheduled sacrifice 1Macro

Body as a whole : No changes observed

Micro

Skin : Inflammatory cell infiltration +
Bone marrow : Fatty atrophy ++
Splenic white pulp lymphatic follicle : Hyperplasia +
Liver : Inflammatory cell infiltration +
Renal papilla : Calcification ++ bilateral
Choroid plexus : Lymphocytic infiltration +

Male Nr. 2 / Days on study: 95 / Scheduled sacrifice 1Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +
Spleen : Haemosiderosis +
Liver : Inflammatory cell infiltration +
Liver : Fatty change +
Renal papilla : Calcification + bilateral

Male Nr. 3 / Days on study: 93 / Scheduled sacrifice 1Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis ++
Liver : Inflammatory cell infiltration +
Renal papilla : Calcification + bilateral
Parathyroid gland : Developmental cyst
Choroid plexus : Inflammatory cell infiltration +

Male Nr. 4 / Days on study: 93 / Scheduled sacrifice 1Macro

A Lung : Mottled

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +
Spleen : Haemosiderosis +
A Lung blood vessel : Dilatation ++
Liver : Inflammatory cell infiltration +
Renal papilla : Calcification + bilateral
Prostatic glandular tissue : Atrophy +
Thymus : Lymphoid hyperplasia +

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL MALES

Exposure: 50 ppm

Male Nr. 5 / Days on study: 93 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +
Spleen : Haemosiderosis ++
Liver : Inflammatory cell infiltration +
Liver : Fatty change ++
Renal papilla : Calcification ++ bilateral
C-cell of thyroid : Hyperplasia + focal

Male Nr. 6 / Days on study: 93 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Skin hair follicle : Lymphocytic infiltration +
Bone marrow : Fatty atrophy ++
Spleen : Congestion +++
Renal papilla : Calcification + bilateral
Prostate : Chronic inflammation ++
Adenohypophysis : Developmental cyst
Parathyroid gland : Developmental cyst

Male Nr. 7 / Days on study: 95 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +++
Liver : Organizing necrosis +
Renal papilla : Calcification + bilateral
C-cell of thyroid : Hyperplasia ++ focal
Thymic medulla : Hyperplasia + focal

Male Nr. 8 / Days on study: 95 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Liver : Inflammatory cell infiltration +
Renal papilla : Calcification ++ bilateral
Prostate : Lymphocytic infiltration ++
Parathyroid gland : Developmental cyst

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL MALES

Exposure: 125 ppm

Male Nr. 9 / Days on study: 95 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis +
Renal papilla : Calcification + bilateral

Male Nr. 10 / Days on study: 95 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis +
Liver : Fatty change +
Renal papilla : Calcification + bilateral
Adrenal cortex : Fatty change + bilateral

Male Nr. 11 / Days on study: 93 / Scheduled sacrifice 1

Macro

A Lung : Mottled

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +++
Bronchus : Foreign body ++
A Lung : Acute bronchopneumonia ++
Renal papilla : Calcification + bilateral
Prostate : Chronic inflammation ++
Adenohypophysis : Developmental cyst
Adrenal gland : Developmental malformation unilateral
Thyroid gland : Developmental cyst

Male Nr. 12 / Days on study: 93 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Skin hair follicle : Inflammatory cell infiltration +
Bone marrow : Fatty atrophy ++
Spleen : Congestion +
Spleen : Haemosiderosis +
Lung : Haemosiderosis +
Liver : Inflammatory cell infiltration +
Renal papilla : Calcification + bilateral
Urinary bladder : Inflammatory oedema +

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL MALES

Exposure: 250 ppm

Male Nr. 13 / Days on study: 92 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +++
Liver : Organizing necrosis ++
Duodenal mucosa : Cystic dilatation +
Renal papilla : Calcification + bilateral
Testis spermatogenic epithelium : Spermatic giant cell +
unilateral

Male Nr. 14 / Days on study: 92 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +++
Renal papilla : Calcification ++ bilateral
Adenohypophysis : Developmental cyst

Male Nr. 15 / Days on study: 94 / Scheduled sacrifice 1

Macro

A Lung : Nodule (<.5 cm) several

Micro

Skin hair follicle : Parasitic granuloma ++
Bone marrow : Fatty atrophy ++
A Lung : Fibrosis ++ focal
Renal papilla : Calcification + bilateral
Prostatic glandular tissue : Atrophy +
Epididymis artery : Polyarteritis ++ unilateral
Thymic medulla : Hyperplasia + focal
Choroid plexus : Inflammatory cell infiltration +

Male Nr. 16 / Days on study: 94 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Skin hair follicle : Lymphocytic infiltration +
Bone marrow : Fatty atrophy ++
Renal papilla : Calcification ++ bilateral

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL MALES

Exposure: 1250 ppm

Male Nr. 17 / Days on study: 94 / Scheduled sacrifice 1

Macro

A Lung : Mottled

Micro

Skin hair follicle : Parasitic granuloma +++
Bone marrow : Fatty atrophy ++
A Lung : Acute bronchopneumonia ++ focal
Renal papilla : Calcification + bilateral
Epididymis : Spermatic granuloma ++ unilateral
Thyroid gland : Developmental cyst

Male Nr. 18 / Days on study: 94 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +
Renal papilla : Calcification ++ bilateral

Male Nr. 19 / Days on study: 92 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +++
Liver : Fatty change ++
Renal papilla : Calcification ++ bilateral

Male Nr. 20 / Days on study: 92 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion ++
Spleen : Haemosiderosis +
Liver : Inflammatory cell infiltration +
Renal papilla : Calcification ++ bilateral
Pituitary gland : No examination for technical reasons
Adrenal cortex : Fatty change + bilateral

6.11.2. List of findings in individual females

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL FEMALES

Removal code : all Observation period : all

Selected experimental group(s) : all

Selected animals: all

Selected findings : all

| Group | 1 | 2 | 3 | 4 | 5 |
|---|-------|-------|-------|-------|-------|
| Exposure : ppm | 0 | 50 | 125 | 250 | 1250 |
| ----- | ----- | ----- | ----- | ----- | ----- |
| Animals initially in study | 4 | 4 | 4 | 4 | 4 |
| Treatment ended in observation period, selected | 4 | 4 | 4 | 4 | 4 |
| Examined macroscopically | 4 | 4 | 4 | 4 | 4 |
| S1 | 4 | 4 | 4 | 4 | 4 |
| Total | 4 | 4 | 4 | 4 | 4 |
| Examined microscopically | 4 | 4 | 4 | 4 | 4 |

=====
Abbreviations used in pathology tables

| | |
|------------|------------------------|
| S1, S2.... | scheduled sacrifice(s) |
| MS | moribund sacrifice |
| FD | found dead |
| AD | accidental death |

=====

Test No.: 943128

Test Article: CGA 329351 tech.

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL FEMALES**Exposure: 0 ppm**Female Nr. 21 / Days on study: 93 / Scheduled sacrifice 1Macro

A Lung : Mottled

Micro

Bone marrow : Fatty atrophy ++

Bronchus : Foreign body ++

A Lung : Chronic bronchopneumonia +++

Renal papilla : Calcification + bilateral

Female Nr. 22 / Days on study: 93 / Scheduled sacrifice 1Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++

Spleen : Congestion +++

Spleen : Haemosiderosis +

Heart artery : Chronic necrotizing inflammation ++

Renal papilla : Calcification + bilateral

Ovarian follicle : Hypercellularity ++ bilateral

Adenohypophysis : Developmental cyst

Female Nr. 23 / Days on study: 92 / Scheduled sacrifice 1Macro

Body as a whole : No changes observed

Micro

Skin : Inflammatory cell infiltration +

Epidermis : Acanthosis +

Bone marrow : Fatty atrophy ++

Spleen : Congestion +++

Spleen : Haemosiderosis +

Liver : Fatty change +

Renal papilla : Calcification ++ bilateral

Ovarian follicle : Hypercellularity ++ bilateral

Female Nr. 24 / Days on study: 92 / Scheduled sacrifice 1Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++

Spleen : Congestion +++

Bronchus : Foreign body granuloma +

Renal papilla : Calcification ++ bilateral

Thyroid gland : Developmental cyst

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL FEMALES

Exposure: 50 ppm

Female Nr. 25 / Days on study: 94 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis ++
Renal papilla : Calcification ++ bilateral
Adenohypophysis : Developmental cyst

Female Nr. 26 / Days on study: 94 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Skin hair follicle : Parasitic granuloma +++
Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis +
Renal papilla : Inflammatory cell infiltration + focal unilateral
Renal papilla : Calcification + bilateral
Adenohypophysis : Developmental cyst
Parathyroid gland : Developmental cyst

Female Nr. 27 / Days on study: 93 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis +
Renal papilla : Calcification + bilateral
Ovarian follicle : Hypercellularity + unilateral
Adenohypophysis : Developmental cyst
Lacrimal gland : One organ, no examination for technical reasons

Female Nr. 28 / Days on study: 93 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Skin hair follicle : Chronic inflammation ++
Bone marrow : Fatty atrophy ++
Spleen : Congestion +++
Spleen : Haemosiderosis +
Liver : Fatty change +
Renal papilla : Calcification + bilateral
Adenohypophysis : Developmental cyst
Parathyroid gland : Developmental cyst

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL FEMALES

Exposure: 125 ppm

Female Nr. 29 / Days on study: 92 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis +
Liver : Inflammatory cell infiltration +
Renal papilla : Calcification ++ bilateral

Female Nr. 30 / Days on study: 92 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +++
Liver : Fatty change +
Renal papilla : Calcification + bilateral
Parathyroid gland : Developmental cyst

Female Nr. 31 / Days on study: 94 / Scheduled sacrifice 1

Macro

A Ovary : Cyst one right

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +
Spleen : Haemosiderosis +
Liver : Fatty change +
Renal papilla : Calcification + bilateral
A Ovary : Corpus luteum cyst +++ unilateral

Female Nr. 32 / Days on study: 94 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Skin hair follicle : Chronic inflammation +
Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis +
Renal papilla : Calcification + bilateral
Lacrimal gland : One organ, no examination for technical reasons

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL FEMALES

Exposure: 250 ppm

Female Nr. 33 / Days on study: 92 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis +
Renal papilla : Calcification ++ bilateral
Vagina : Lymphocytic infiltration ++
Adrenal cortex : Fatty change + bilateral

Female Nr. 34 / Days on study: 92 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Congestion +
Spleen : Haemosiderosis +
Liver : Inflammatory cell infiltration +
Liver : Fatty change ++
Renal papilla : Calcification + bilateral

Female Nr. 35 / Days on study: 94 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++
Spleen : Haemosiderosis +
Liver : Inflammatory cell infiltration +
Liver : Fatty change +
Renal papilla : Calcification + bilateral
Vagina : Lymphocytic infiltration +
C-cell of thyroid : Hyperplasia + diffuse

Female Nr. 36 / Days on study: 94 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Skin : Inflammatory cell infiltration +
Bone marrow : Fatty atrophy ++
Liver : Inflammatory cell infiltration +
Renal papilla : Calcification ++ bilateral
Adenohypophysis : Developmental cyst

MACROSCOPICAL AND MICROSCOPICAL FINDINGS IN INDIVIDUAL FEMALES

Exposure: 1250 ppm

Female Nr. 37 / Days on study: 93 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++

Liver : Fatty change +

Renal papilla : Calcification + bilateral

Female Nr. 38 / Days on study: 93 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Skin hair follicle : Inflammatory cell infiltration ++

Bone marrow : Fatty atrophy ++

Spleen : Congestion +++

Spleen : Haemosiderosis +

Renal papilla : Calcification ++ bilateral

Female Nr. 39 / Days on study: 93 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Bone marrow : Fatty atrophy ++

Spleen : Haemosiderosis ++

Renal papilla : Calcification ++ bilateral

Ovarian follicle : Hypercellularity + bilateral

C-cell of thyroid : Hyperplasia + diffuse

Female Nr. 40 / Days on study: 94 / Scheduled sacrifice 1

Macro

Body as a whole : No changes observed

Micro

Skin : Inflammatory cell infiltration ++

Epidermis : Acanthosis ++

Bone marrow : Fatty atrophy ++

Spleen : Haemosiderosis +

Liver : Fatty change +

Renal papilla : Calcification + bilateral

Adenohypophysis : Developmental cyst

Adrenal cortex : Fatty change + bilateral

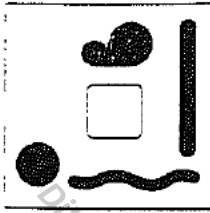
7. APPENDIX C: ANALYTICAL RESULTS

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**Study Title:**

DETERMINATION OF CONTENT, HOMOGENEITY
AND STABILITY OF CGA 329351 TECH.

IN DOG FEED

ANALYTICAL REPORT TO:

3-MONTH SUBCHRONIC DIETARY TOXICITY STUDY
IN BEAGLE DOGS

Author:

5120 Woo

Study Completion Date:

May 18, 1995

Performing Laboratory:

RCC UMWELTCHEMIE AG

P.O. Box

CH-4452 Ittingen/BL

Switzerland

Study Project No.:

RCC PROJECT 386234

CIBA-GEIGY PROJECT 943128

Page 1 of 20

RCC

Group

SIGNATURE PAGE

RESPONSIBLE FOR ANALYTICS:

512.e Woo

Date: *May 18, 1985*

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MANAGING DIRECTOR:

Dr. 512.e Woo

Date: *May 18, 1985*

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GENERAL INFORMATION

GENERAL

RCC Project: 386234
CIBA-GEIGY Project: 943128
Sponsor: CIBA-GEIGY Limited
Crop Protection Division
4002 Basle / Switzerland
Study Director: Dr. med. vet. **5123 Wood**
Test Article: CGA 329351 tech.
Testing Facility: R C C
UMWELTCHEMIE AG
Department of Chemistry
CH-4452 Itingen / Switzerland

PROJECT STAFF

Responsible for Analytics: **5123 Wood**

SCHEDULE

Dates of Analysis: see section 2.2
Study Completion Date: May 18, 1995/mma

ARCHIVING

Raw data, copy of protocol, analytical report and test article
reference sample for at least ten years at:

R C C AG
CH-4452 Itingen / Switzerland

GOOD LABORATORY PRACTICE

STATEMENT OF COMPLIANCE

PROJECT NUMBER: 386234
CIBA-GEIGY PROJECT NUMBER: 943128
TEST ARTICLE: CGA 329351 tech.
RESPONSIBLE FOR ANALYTICS: Mr. 5126 Woo
TITLE: Determination of Content, Homogeneity and Stability of
CGA 329351 tech. in dog
feed.

This study was conducted in compliance with Good Laboratory Practice Regulations
(see page 9).

Responsible for Analytics: Mr. 5126 Woo

Date: 11/11/15

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QUALITY ASSURANCE UNIT

R C C UMWELTCHEMIE AG, CH-4452 ITINGEN / SWITZERLAND

STATEMENT

PROJECT NUMBER: 386234
TEST ARTICLE: CGA 329351 tech.
RESPONSIBLE FOR ANALYTICS: Mr. [redacted]
TITLE: Determination of Content, Homogeneity and Stability of
CGA 329351 tech. in dog
feed.

Study procedures were periodically inspected and this report was audited by the Quality Assurance Unit. The dates are given below.

| Dates of QAU Inspections/ Audits | Dates of Reports to the Responsible for Analytics and to the Management |
|-------------------------------------|--|
| 11-JAN-95 | 11-JAN-95 |
| 16-MAY-95 | 16-MAY-95 |

Manager, Quality Assurance Unit:

Mrs. [redacted]

5.12.e Woo

Date: May 19, 1995

1. INTRODUCTION

This report describes the analytical method used and the results obtained for content, homogeneity and stability of CGA 329351 tech. in dog feed. The analyses were performed by a HPLC method.

Analysis of homogeneity was performed by analyzing samples of each dose group from three different segments (beginning, middle, end) of pelleting process.

2. MATERIALS AND METHODS

2.1. DESCRIPTION OF TEST ARTICLE

(according to the information provided by the sponsor)

Code No: CGA 329351 tech.

Batch No: OP.4

Content of active ingredient: 97.1 %

Description: viscous liquid

Date of receipt: October 10, 1994

Storage conditions: room temperature

Stability: guaranteed by the sponsor until reanalysis date April 1998

Safety precautions: All personnel which was exposed to the test material during weighing or mixing the test article wore dust masks, protective glasses and disposable plastic gloves.

2.2. SAMPLES

Shipment: 1
- Prepared by sponsor on: 15-NOV-94
- Received at RCC on: 22-NOV-94
- Dates of analysis: 20/21-DEC-94

Shipment: 2
- Prepared by sponsor on: 15-NOV-94
- Received at RCC on: 30-DEC-94
- Date of analysis: 09-JAN-95*

Shipment: 3
- Prepared by sponsor on: 12-JAN-95
- Received at RCC on: 17-JAN-95
- Dates of analysis: 17/20-MAR-95

* Samples of 42-day stability test at room temperature

2.3. STORAGE

Diet samples were prepared, samples were collected and immediately deepfrozen by the sponsor until shipment to RCC Umweltchemie AG. The samples of the stability test were kept at room temperature at the sponsor's facility for 42 days prior to deepfreezing. All samples were shipped to the analytical laboratories of RCC Umweltchemie AG, Itingen/Switzerland under deepfrozen conditions in a cool box and were, upon arrival, stored deepfrozen until sample work-up and analysis by HPLC. If necessary, worked-up sample solutions were stored in the refrigerator prior to analysis by HPLC.

2.4. ANALYTICAL PROCEDURE

2.4.1. Standard Solutions

First, stock solutions of the test article (see section 2.1) in methanol with a concentration of 1.000 mg/ml were prepared as follows: 50 mg of the test article were each weighed into a 50 ml volumetric flask. Next, about 30 ml of methanol was added and these mixtures were treated in an ultrasonic bath for dissolution. Then, the volumetric flasks were filled to volume with methanol. Next, various standard solutions were prepared by respective dilution of these stock solutions with HPLC-eluent A (see section 2.4.4) to yield concentrations in the range from 0.2 µg/ml to 2 µg/ml. These standard solutions were used to calibrate the HPLC.

2.4.2. Analysis of Samples

Ten (10) grams of ground diet pellets were weighed into a 250 ml screw-top bottle and slurried with 10 ml of bidistilled water. Then, 90 ml of methanol was added and this suspension was extracted for one hour using a mechanical lab shaker. After 15 minutes of sedimentation, a sample was withdrawn from the supernatant and was further analyzed as discribed in sections 2.4.2.1. Finally, a 50 μ l aliquot was quantified by HPLC.

2.4.2.1. Dilution (0 ppm-1250 ppm Dose Group)

Calculated aliquots of the supernatants derived from section 2.4.2 were diluted with HPLC-eluent A (see section 2.4.4) to yield concentrations within the calibration range before quantification by HPLC.

2.4.3. Preparation of Fortified Samples

To assess the recovery of CGA 329351 tech. from rodent feed by this method of analysis, ten (10) gram portions of control feed were fortified with calculated volumes (V_C) of freshly prepared solutions of CGA 329351 tech. in methanol with concentrations ranging from 100 μ g/ml to 1000 μ g/ml. As a result, recovery samples with concentrations equal or similar to the feed samples were prepared. These fortified samples were slurried with 10 ml of bidistilled water and (90- V_C) ml of methanol and were further analyzed exactly as described in sections 2.4.2 and 2.4.2.1.

2.4.4. HPLC-Determination

(Typical Operating Conditions)

Apparatus: Merck L-6200 pump
 Merck L-4000 photometer
 Merck D-2500 integrator
 Merck AS-4000 sampling unit

Column: Lichrospher RP-18; 5 µm; 125 x 4.6 mm

Eluent A: Bidistilled water 60 % v/v
 Acetonitrile 40 % v/v

Eluent B: Acetonitrile 100 % v/v

Gradient:

| Run time (minutes) | Flow rate (ml/min) | % A | % B |
|--------------------|--------------------|-----|-----|
| 0 | 1.0 | 100 | 0 |
| 8 | 1.0 | 100 | 0 |
| 8.1 | 1.0 | 0 | 100 |
| 14 | 1.0 | 0 | 100 |
| 14.1 | 1.0 | 100 | 0 |
| 30 | 1.0 | 100 | 0 |

Temperature: Room temperature

Flow rate: 1.0 ml/min

Detection: UV, 210 nm

Injection volume: 50 µl

2.4.5. Evaluation of Results

Injected samples were quantified by peak area or peak height with reference to the calibration curves. The latter were obtained by correlation of the peak area or peak height (in counts) of the analytical standards with their corresponding concentration in µg/ml.

An example of a calibration curve is listed in Table 1 and typical chromatograms of standard solutions are shown in Figure 1. From these or similar curves, the concentrations Y of CGA 329351 tech. in µg/ml of an injected sample were calculated from equation 1.

$$Y = a + b \cdot X \quad (1)$$

where

Y = µg/ml CGA 329351 tech. of injected sample

a = y-axis intercept

b = slope

X = peak area or peak height of injected sample in counts

The concentrations of CGA 329351 tech. in dog feed were calculated according to equation 2.

$$C = \frac{Y \cdot V \cdot D \cdot 100 \%}{W \cdot R} \quad (2)$$

where

C = Concentration of CGA 329351 tech. in dog feed in ppm (mg/kg)

Y = µg/ml test article of injected sample calculated by equation 1

V = Volume of solvent used for dissolution (100 ml)

D = Dilution factor

W = Weight of diet sample (10 g)

R = Recovery (%)

3. RESULTS

The results obtained for content, homogeneity and stability of CGA 329351 tech. in dog feed are summarized in the attached tables on page 18.

The tabulated values represent rounded-off results obtained by calculations based on the exact raw data.

Prepared on 15-NOV-94 and on 12-JAN-95:

The test article overall mean concentrations in pelleted diet samples were found to be 93.9 %, 101.2 %, 91.4 % and 91.7 % of the nominal concentrations for dose groups 2 (50 ppm), 3 (125 ppm), 4 (250 ppm) and 5 (1250 ppm), respectively. The homogeneity varied in the range from -2 % to +1 % of the mean concentrations.

CGA 329351 tech. was found to be stable in dog feed at room temperature over a period of 42 days.

An example of a calibration curve of CGA 329351 tech. is listed in Table 1 and typical chromatograms of standard solutions and samples are shown in Figures 1 and 2, respectively.

TEST ARTICLE IN FEED CONTENT, HOMOGENEITY AND STABILITY

Table 2:

DATE OF PREPARATION: 15-NOV-94

| Dose Group Day | Nominal ppm | Date of analysis | Concentrat. ppm | found % of Nom. | Mean % of Nom. | ± Dev. in % of Mean | Recovery ppm added | % |
|-------------------|----------------|---------------------|--------------------|--------------------|-------------------|------------------------|-----------------------|-------|
| GROUP 1 | | | | | | | | |
| Day 0 | 0 | 21-DEC-94 | 0.000 | --- | --- | --- | --- | --- |
| Day 42 | | | 0.000 | --- | --- | --- | --- | --- |
| GROUP 2 | | | | | | | | |
| Day 0 | 50 | 21-DEC-94 | 45.70 | 91.4 | 90.1 | -2 / +1 | 50.0 | 96.4 |
| Day 0 | | | 43.96 | 87.9 | | | | |
| Day 0 | | | 45.51 | 91.0 | | | | |
| Day 42 | | | 44.73 | 89.5 | 89.5 | | 50.0 | 103.2 |
| GROUP 3 | | | | | | | | |
| Day 0 | 125 | 21-DEC-94 | 115.8 | 92.7 | 93.1 | 0 / +1 | 100 | 99.6 |
| Day 0 | | | 116.2 | 93.0 | | | | |
| Day 0 | | | 117.2 | 93.7 | | | | |
| Day 42 | | | 108.7 | 87.0 | 87.0 | | 100 | 103.8 |
| GROUP 4 | | | | | | | | |
| Day 0 | 250 | 20-DEC-94 | 231.2 | 92.5 | 92.8 | 0 / +0 | 250 | 96.8 |
| Day 0 | | | 231.7 | 92.7 | | | | |
| Day 0 | | | 233.1 | 93.2 | | | | |
| Day 42 | | | 241.3 | 96.5 | 96.5 | | 250 | 98.2 |
| GROUP 5 | | | | | | | | |
| Day 0 | 1250 | 20-DEC-94 | 1141 | 91.2 | 91.3 | 0 / +0 | 1000 | 103.0 |
| Day 0 | | | 1140 | 91.2 | | | | |
| Day 0 | | | 1142 | 91.4 | | | | |
| Day 42 | | | 1204 | 96.4 | 96.4 | | 1000 | 105.2 |

A : Beginning)
 B : Middle) of discharge from the pelleting machine
 C : End)

* Stability test at room temperature over a period of 42-days

TEST ARTICLE IN FEED CONTENT

DATE OF PREPARATION: 12-JAN-95

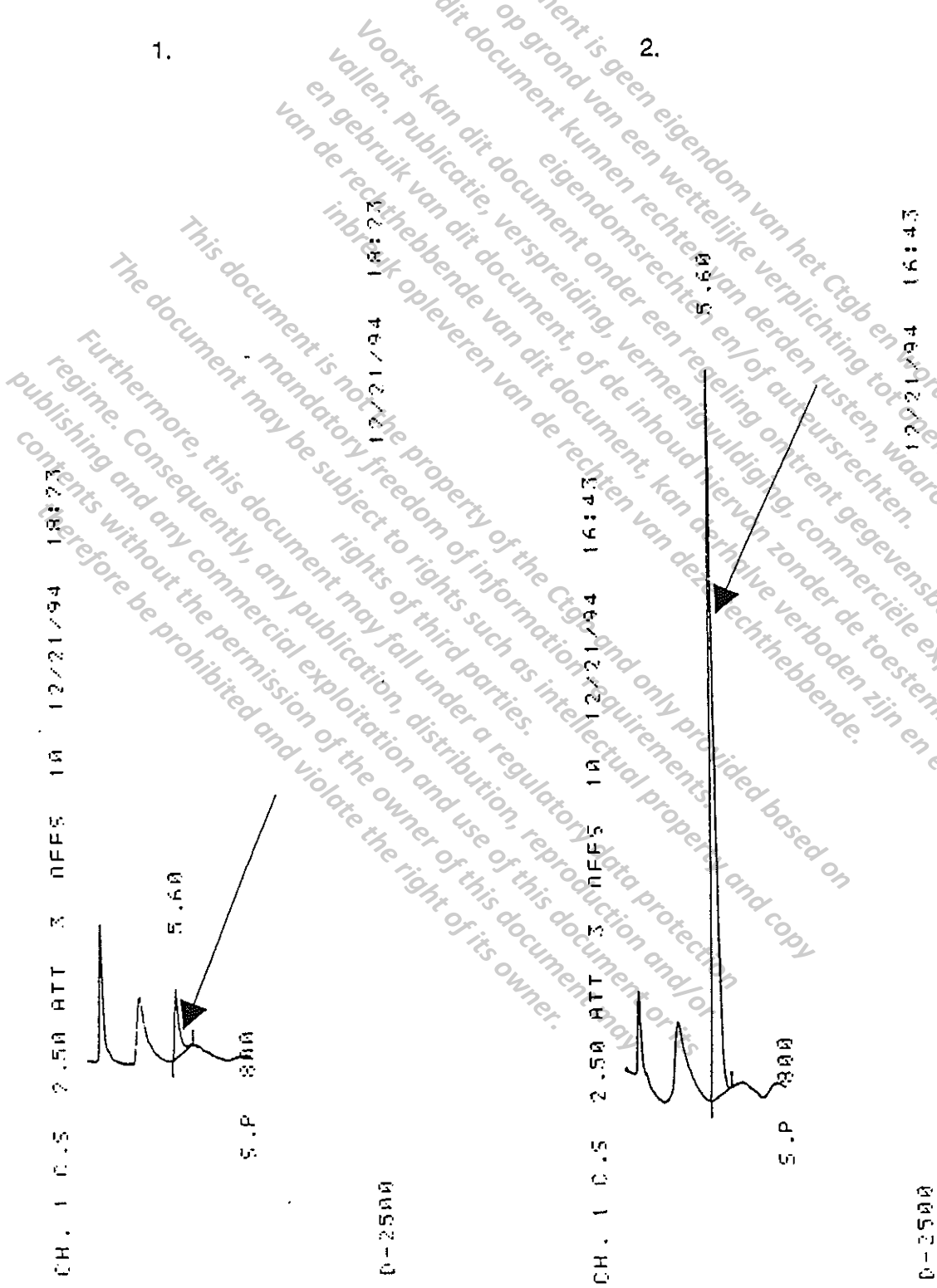
| Dose Group | Nominal ppm | Date of analysis | Concentrat. ppm | found % of Nom. | Mean % of Nom. | ± Dev. in % of Mean | Recovery ppm added | % |
|------------|----------------|---------------------|--------------------|--------------------|-------------------|------------------------|-----------------------|-------|
| Group 1 | 0 | 17-MAR-95 | 0.000 | --- | --- | --- | --- | --- |
| Group 2 | 50 | 20-MAR-95 | 48.82 | 97.6 | --- | --- | 50.0 | 82.5 |
| Group 3 | 125 | 17-MAR-95 | 136.6 | 109.3 | --- | --- | 100 | 82.7 |
| Group 4 | 250 | 17-MAR-95 | 225.1 | 90.0 | --- | --- | 250 | 93.6 |
| Group 5 | 1250 | 17-MAR-95 | 1151 | 92.1 | --- | --- | 1000 | 113.4 |

OVERALL MEAN CONCENTRATION

| Dose Group | Nominal ppm | N | Mean % of Nom. |
|------------|----------------|---|-------------------|
| Group 2 | 50 | 2 | 93.9 |
| Group 3 | 125 | 2 | 101.2 |
| Group 4 | 250 | 2 | 91.4 |
| Group 5 | 1250 | 2 | 91.7 |

Figure 1: Typical Chromatograms:

1. Standard solution 0.2 µg/ml, before samples
2. Standard solution 2 µg/ml, before samples



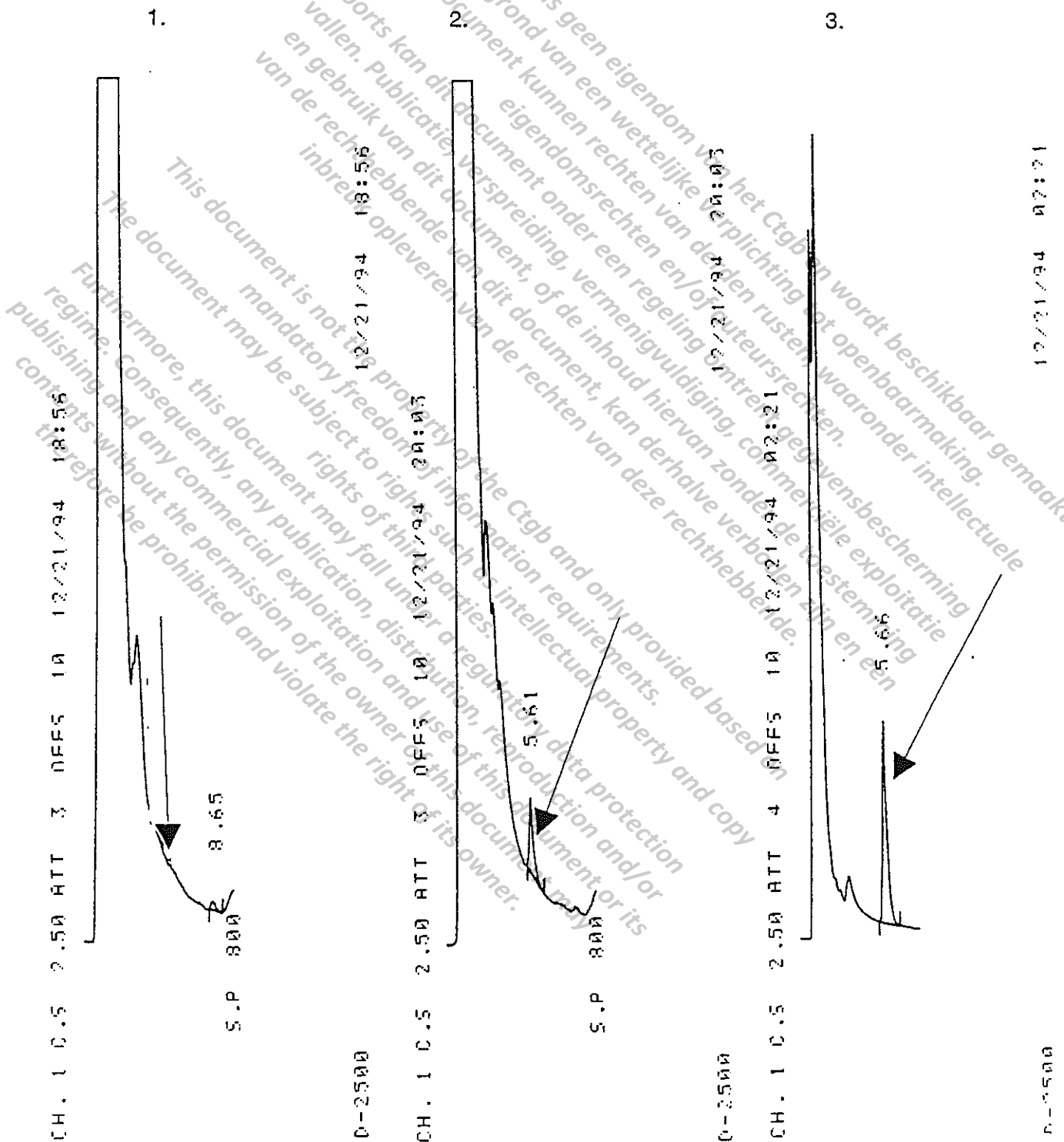
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Figure 2: Typical Chromatograms:

- 1. Control sample
- 2. Sample, nominal 50 ppm; diluted 20x
- 3. Sample, nominal 1250 ppm; diluted 100x



Test No.: 943128

Test Article: CGA 329351 tech.

8. APPENDIX D: REFERENCE VALUES

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8.1. Units used in hematology

| Parameter | SI Unit | Conventional Unit | Conversion Factor |
|---|-------------------|-------------------|-------------------|
| Red Blood Cell Parameters | | | |
| Erythrocyte Count | $T/l = 10^{12}/l$ | $10^6/\mu l$ | 1 |
| Hemoglobin | mmol/l | g/100 ml | 1.611 |
| Hematocrit | 1 | % | 100 |
| Mean Corpuscular Volume | fl | μm^3 | 1 |
| Red Cell Volume Distribution Width | 1 | % | 100 |
| Mean Corpuscular Hemoglobin | fmol | pg | 16.11 |
| Mean Corpuscular Hemoglobin Concentration | mmol/l | g/100 ml (%) | 1.611 |
| Hemoglobin Concentration Distribution Width | mmol/l | g/100 ml | 1.611 |
| White Blood Cell Parameters | | | |
| Leukocyte Count | $G/l = 10^9/l$ | Number/ μl | 1000 |
| Differential Leukocyte Count | relative absolute | relative absolute | rel. abs. |
| Neutrophils | 1 G/l | % Number/ μl | 100 1000 |
| Eosinophils | 1 G/l | % Number/ μl | 100 1000 |
| Basophils | 1 G/l | % Number/ μl | 100 1000 |
| Lymphocytes | 1 G/l | % Number/ μl | 100 1000 |
| Monocytes | 1 G/l | % Number/ μl | 100 1000 |
| Large Unstained Cells | 1 G/l | % Number/ μl | 100 1000 |
| Blood Platelets | | | |
| Thrombocyte Count | $G/l = 10^9/l$ | Number/ μl | 1000 |

Test No.: 943128

Test Article: CGA 329351 tech.

8.2. Reference values: HematologyHEMATOLOGY REFERENCE VALUES
UNTREATED MALE DOGS (BEAGLE)

Age : 21 - 32 weeks Period : 12.09.91 - 31.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|-----------|--------|----------|-----|-------|--------|-------|
| RBC | M0002 | T/l | 146 | 5.210 | 5.890 | 6.560 |
| Hb | M0002 | mmol/l | 146 | 7.300 | 8.200 | 9.000 |
| Hct | M0002 | l | 146 | 0.348 | 0.399 | 0.437 |
| MCV | M0002 | fl | 146 | 63.00 | 66.85 | 70.90 |
| RDW | M0002 | l | 146 | 0.126 | 0.138 | 0.151 |
| MCH | M0002 | fmol | 146 | 1.300 | 1.380 | 1.450 |
| MCHC | M0002 | mmol/l | 146 | 19.80 | 20.57 | 21.17 |
| HDW | M0002 | mmol/l | 146 | 0.930 | 1.080 | 1.360 |
| Reti | M0002 | l | 4 | 0.025 | 0.034 | 0.042 |
| | M0003 | l | 110 | 0.013 | 0.021 | 0.030 |
| WBC | M0002 | G/l | 146 | 7.600 | 10.64 | 14.35 |
| Neut | M0002 | l | 146 | 0.435 | 0.538 | 0.629 |
| Eos | M0002 | l | 146 | 0.010 | 0.024 | 0.057 |
| Baso | M0002 | l | 146 | 0.001 | 0.003 | 0.007 |
| Lympho | M0002 | l | 146 | 0.284 | 0.372 | 0.464 |
| Mono | M0002 | l | 146 | 0.036 | 0.059 | 0.084 |
| Luc | M0002 | l | 146 | 0.002 | 0.006 | 0.016 |
| Neut | M0002 | G/l | 106 | 3.630 | 5.485 | 8.090 |
| Eos | M0002 | G/l | 106 | 0.090 | 0.250 | 0.670 |
| Baso | M0002 | G/l | 106 | 0.010 | 0.030 | 0.080 |
| Lympho | M0002 | G/l | 106 | 2.705 | 3.860 | 5.500 |
| Mono | M0002 | G/l | 106 | 0.325 | 0.665 | 1.020 |
| Luc | M0002 | G/l | 106 | 0.030 | 0.080 | 0.180 |
| Plt | M0002 | G/l | 146 | 193.0 | 305.5 | 408.0 |
| PT(CS) | M0001 | sec | 146 | 28.15 | 35.43 | 44.18 |
| PTT | M0001 | sec | 8 | 45.82 | 68.17 | 89.71 |
| MetHb | M0001 | l | 30 | 0.000 | 0.001 | 0.004 |
| Osm-Res | M0001 | NaCl g/l | 6 | 4.690 | 4.955 | 5.110 |

Test No.: 943128

Test Article: CGA 329351 tech.

HEMATOLOGY REFERENCE VALUES
UNTREATED MALE DOGS (BEAGLE)

Age : 33 - 45 weeks

Period : 06.06.91 - 30.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|-----------|--------|----------|-----|-------|--------|-------|
| RBC | M0002 | T/l | 132 | 5.480 | 6.320 | 7.100 |
| Hb | M0002 | mmol/l | 132 | 7.500 | 8.800 | 9.800 |
| Hct | M0002 | l | 132 | 0.367 | 0.424 | 0.475 |
| MCV | M0002 | fl | 132 | 63.10 | 66.60 | 70.80 |
| RDW | M0002 | l | 132 | 0.129 | 0.137 | 0.150 |
| MCH | M0002 | fmol | 132 | 1.320 | 1.390 | 1.450 |
| MCHC | M0002 | mmol/l | 132 | 19.94 | 20.84 | 21.75 |
| HDW | M0002 | mmol/l | 132 | 1.020 | 1.135 | 1.360 |
| Reti | M0002 | l | 4 | 0.009 | 0.010 | 0.011 |
| | M0003 | l | 80 | 0.010 | 0.018 | 0.039 |
| WBC | M0002 | G/l | 132 | 7.530 | 9.860 | 13.91 |
| Neut | M0002 | l | 132 | 0.450 | 0.555 | 0.671 |
| Eos | M0002 | l | 132 | 0.011 | 0.025 | 0.051 |
| Baso | M0002 | l | 132 | 0.001 | 0.003 | 0.008 |
| Lympho | M0002 | l | 132 | 0.251 | 0.352 | 0.438 |
| Mono | M0002 | l | 132 | 0.034 | 0.051 | 0.077 |
| Luc | M0002 | l | 132 | 0.001 | 0.005 | 0.013 |
| Neut | M0002 | G/l | 84 | 3.600 | 5.305 | 7.850 |
| Eos | M0002 | G/l | 84 | 0.100 | 0.230 | 0.450 |
| Baso | M0002 | G/l | 84 | 0.010 | 0.030 | 0.080 |
| Lympho | M0002 | G/l | 84 | 2.540 | 3.480 | 4.480 |
| Mono | M0002 | G/l | 84 | 0.320 | 0.525 | 0.830 |
| Luc | M0002 | G/l | 84 | 0.020 | 0.050 | 0.120 |
| Plt | M0002 | G/l | 132 | 210.0 | 291.5 | 397.0 |
| PT (CS) | M0001 | sec | 132 | 28.96 | 33.92 | 43.41 |
| PTT | M0001 | sec | 4 | 45.42 | 47.67 | 53.62 |
| MetHb | M0001 | l | 20 | 0.000 | 0.000 | 0.004 |
| Osm-Res | M0001 | NaCl g/l | 6 | 4.410 | 4.645 | 5.140 |

Test No.: 943128

Test Article: CGA 329351 tech.

HEMATOLOGY REFERENCE VALUES
UNTREATED FEMALE DOGS (BEAGLE)

Age : 21 - 32 weeks

Period : 12.09.91 - 31.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|-----------|--------|----------|-----|-------|--------|-------|
| RBC | M0002 | T/l | 140 | 5.460 | 6.115 | 7.010 |
| Hb | M0002 | mmol/l | 140 | 7.600 | 8.650 | 9.800 |
| Hct | M0002 | l | 140 | 0.375 | 0.422 | 0.472 |
| MCV | M0002 | fl | 140 | 64.80 | 68.45 | 72.40 |
| RDW | M0002 | l | 140 | 0.125 | 0.137 | 0.152 |
| MCH | M0002 | f mol | 140 | 1.330 | 1.410 | 1.480 |
| MCHC | M0002 | mmol/l | 140 | 19.83 | 20.60 | 21.37 |
| HDW | M0002 | mmol/l | 140 | 0.940 | 1.070 | 1.390 |
| Reti | M0002 | l | 4 | 0.022 | 0.030 | 0.042 |
| | M0003 | l | 98 | 0.010 | 0.020 | 0.033 |
| WBC | M0002 | G/l | 140 | 7.600 | 10.22 | 14.41 |
| Neut | M0002 | l | 140 | 0.448 | 0.549 | 0.638 |
| Eos | M0002 | l | 140 | 0.010 | 0.024 | 0.063 |
| Baso | M0002 | l | 140 | 0.001 | 0.003 | 0.007 |
| Lympho | M0002 | l | 140 | 0.264 | 0.354 | 0.476 |
| Mono | M0002 | l | 140 | 0.032 | 0.050 | 0.074 |
| Luc | M0002 | l | 140 | 0.001 | 0.005 | 0.012 |
| Neut | M0002 | G/l | 100 | 3.970 | 5.440 | 8.500 |
| Eos | M0002 | G/l | 100 | 0.090 | 0.250 | 0.710 |
| Baso | M0002 | G/l | 100 | 0.010 | 0.030 | 0.070 |
| Lympho | M0002 | G/l | 100 | 2.520 | 3.660 | 5.030 |
| Mono | M0002 | G/l | 100 | 0.320 | 0.553 | 0.890 |
| Luc | M0002 | G/l | 100 | 0.020 | 0.060 | 0.140 |
| Plt | M0002 | G/l | 140 | 217.0 | 298.0 | 386.0 |
| PT(CS) | M0001 | sec | 140 | 28.55 | 34.12 | 42.46 |
| PTT | M0001 | sec | 8 | 54.26 | 63.86 | 88.33 |
| MetHb | M0001 | l | 30 | 0.000 | 0.002 | 0.005 |
| Osm-Res | M0001 | NaCl g/l | 6 | 4.470 | 4.905 | 5.070 |

Test No.: 943128

Test Article: CGA 329351 tech.

HEMATOLOGY REFERENCE VALUES
UNTREATED FEMALE DOGS (BEAGLE)

Age : 33 - 45 weeks

Period : 06.06.91 - 30.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|-----------|--------|----------|-----|-------|--------|-------|
| RBC | M0002 | T/l | 132 | 5.840 | 6.645 | 7.350 |
| Hb | M0002 | mmol/l | 132 | 8.200 | 9.300 | 10.40 |
| Hct | M0002 | l | 132 | 0.397 | 0.444 | 0.501 |
| MCV | M0002 | fl | 132 | 63.60 | 67.80 | 71.60 |
| RDW | M0002 | l | 132 | 0.125 | 0.137 | 0.148 |
| MCH | M0002 | fmol | 132 | 1.330 | 1.420 | 1.480 |
| MCHC | M0002 | mmol/l | 132 | 19.94 | 20.86 | 21.79 |
| HDW | M0002 | mmol/l | 132 | 1.000 | 1.120 | 1.330 |
| Reti | M0002 | l | 4 | 0.004 | 0.006 | 0.007 |
| | M0003 | l | 80 | 0.010 | 0.017 | 0.030 |
| WBC | M0002 | G/l | 132 | 7.310 | 10.18 | 13.98 |
| Neut | M0002 | l | 132 | 0.489 | 0.568 | 0.678 |
| Eos | M0002 | l | 132 | 0.011 | 0.027 | 0.054 |
| Baso | M0002 | l | 132 | 0.002 | 0.004 | 0.007 |
| Lympho | M0002 | l | 132 | 0.252 | 0.342 | 0.432 |
| Mono | M0002 | l | 132 | 0.029 | 0.044 | 0.064 |
| Luc | M0002 | l | 132 | 0.001 | 0.004 | 0.011 |
| Neut | M0002 | G/l | 84 | 3.950 | 5.850 | 8.650 |
| Eos | M0002 | G/l | 84 | 0.090 | 0.260 | 0.650 |
| Baso | M0002 | G/l | 84 | 0.020 | 0.040 | 0.080 |
| Lympho | M0002 | G/l | 84 | 2.530 | 3.490 | 4.550 |
| Mono | M0002 | G/l | 84 | 0.300 | 0.460 | 0.780 |
| Luc | M0002 | G/l | 84 | 0.020 | 0.040 | 0.100 |
| Plt | M0002 | G/l | 132 | 220.0 | 292.5 | 382.0 |
| PT(CS) | M0001 | sec | 132 | 27.49 | 33.36 | 41.45 |
| PTT | M0001 | sec | 4 | 46.02 | 49.63 | 54.92 |
| MetHb | M0001 | l | 20 | 0.000 | 0.000 | 0.004 |
| Osm-Res | M0001 | NaCl g/l | 6 | 4.220 | 4.650 | 4.820 |

Test No.: 943128

Test Article: CGA 329351 tech.

8.3. Reference values: Blood chemistryBLOOD CHEMISTRY REFERENCE VALUES
UNTREATED MALE DOGS (BEAGLE)

Age : 21 - 32 weeks Period : 12.09.91 - 31.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|------------|--------|--------|-----|-------|--------|-------|
| Gluc | M0001 | mmol/l | 146 | 4.250 | 5.605 | 6.460 |
| Urea | M0001 | mmol/l | 146 | 2.460 | 3.925 | 5.650 |
| Creat-e | M0001 | umol/l | 146 | 56.30 | 71.70 | 84.80 |
| Bili-tot | M0001 | umol/l | 146 | 1.490 | 2.560 | 4.460 |
| Bili-dir | M0001 | umol/l | 6 | 0.000 | 0.000 | 0.000 |
| Prot | M0001 | g/l | 146 | 50.46 | 54.81 | 60.00 |
| Alb | M0001 | g/l | 146 | 28.59 | 31.46 | 34.00 |
| Glob | M0001 | g/l | 146 | 19.55 | 23.13 | 28.07 |
| A/G | M0001 | 1 | 146 | 1.090 | 1.350 | 1.620 |
| PreAlb | M0001 | 1 | 26 | 0.000 | 0.000 | 0.000 |
| Alb-el | M0001 | 1 | 26 | 0.524 | 0.565 | 0.616 |
| Glob A1 | M0001 | 1 | 26 | 0.063 | 0.077 | 0.095 |
| Glob A2 | M0001 | 1 | 26 | 0.043 | 0.082 | 0.117 |
| Glob B | M0001 | 1 | 26 | 0.075 | 0.096 | 0.130 |
| Glob G | M0001 | 1 | 26 | 0.137 | 0.183 | 0.211 |
| PreAlb | M0001 | g/l | 26 | 0.000 | 0.000 | 0.000 |
| Alb-el | M0001 | g/l | 26 | 27.50 | 31.60 | 34.50 |
| Glob A1 | M0001 | g/l | 26 | 3.500 | 4.050 | 5.200 |
| Glob A2 | M0001 | g/l | 26 | 2.400 | 4.550 | 6.200 |
| Glob B | M0001 | g/l | 26 | 4.200 | 5.150 | 7.400 |
| Glob G | M0001 | g/l | 26 | 7.800 | 9.600 | 12.10 |
| Chol | M0001 | mmol/l | 146 | 2.900 | 3.700 | 4.990 |
| Trigly | M0001 | mmol/l | 76 | 0.290 | 0.390 | 0.540 |
| Phos-Lip | M0001 | mmol/l | 124 | 3.340 | 4.295 | 5.550 |
| Na+ | M0001 | mmol/l | 146 | 144.6 | 146.8 | 149.3 |
| K+ | M0001 | mmol/l | 146 | 4.140 | 4.495 | 5.100 |
| Ca++ | M0001 | mmol/l | 146 | 2.640 | 2.850 | 2.980 |
| Mg++ | M0001 | mmol/l | 8 | 0.580 | 0.655 | 0.740 |
| Cl- | M0001 | mmol/l | 146 | 106.4 | 109.5 | 114.2 |
| PO4-in | M0001 | mmol/l | 146 | 1.740 | 2.100 | 2.430 |
| ASAT (GOT) | M0001 | U/l | 146 | 14.60 | 19.80 | 27.30 |
| ALAT (GPT) | M0001 | U/l | 146 | 26.40 | 41.15 | 72.60 |
| ALP | M0001 | U/l | 146 | 68.80 | 107.2 | 185.7 |
| GGT | M0001 | U/l | 136 | 0.000 | 2.900 | 4.500 |
| ChE-Pl | M0001 | U/l | 4 | 5065 | 5687 | 6009 |
| ChE-RBC | M0002 | U/l | 4 | 2020 | 2180 | 3207 |
| CK | M0001 | U/l | 136 | 124.0 | 173.3 | 379.5 |
| T4 | M0001 | nmol/l | 10 | 31.99 | 38.51 | 41.50 |
| T3 | M0001 | nmol/l | 10 | 0.880 | 1.315 | 2.230 |

BLOOD CHEMISTRY REFERENCE VALUES
 UNTREATED MALE DOGS (BEAGLE)

Age : 33 - 45 weeks

Period : 06.06.91 - 30.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|------------|--------|--------|-----|-------|--------|-------|
| Gluc | M0001 | mmol/l | 132 | 4.340 | 5.480 | 6.280 |
| Urea | M0001 | mmol/l | 132 | 2.720 | 4.175 | 5.740 |
| Creat-e | M0001 | umol/l | 132 | 67.30 | 78.30 | 92.40 |
| Bili-tot | M0001 | umol/l | 132 | 1.660 | 2.580 | 4.760 |
| Bili-dir | M0001 | umol/l | 6 | 0.000 | 0.000 | 0.000 |
| Prot | M0001 | g/l | 132 | 53.70 | 57.64 | 63.94 |
| Alb | M0001 | g/l | 132 | 30.41 | 33.39 | 36.52 |
| Glob | M0001 | g/l | 132 | 21.25 | 24.42 | 28.22 |
| A/G | M0001 | 1 | 132 | 1.150 | 1.360 | 1.590 |
| PreAlb | M0001 | 1 | 22 | 0.000 | 0.000 | 0.000 |
| Alb-el | M0001 | 1 | 22 | 0.534 | 0.570 | 0.601 |
| Glob A1 | M0001 | 1 | 22 | 0.047 | 0.059 | 0.082 |
| Glob A2 | M0001 | 1 | 22 | 0.072 | 0.086 | 0.106 |
| Glob B | M0001 | 1 | 22 | 0.066 | 0.088 | 0.127 |
| Glob G | M0001 | 1 | 22 | 0.156 | 0.194 | 0.224 |
| PreAlb | M0001 | g/l | 22 | 0.000 | 0.000 | 0.000 |
| Alb-el | M0001 | g/l | 22 | 29.90 | 34.15 | 36.70 |
| Glob A1 | M0001 | g/l | 22 | 3.000 | 3.600 | 4.900 |
| Glob A2 | M0001 | g/l | 22 | 4.300 | 5.200 | 6.200 |
| Glob B | M0001 | g/l | 22 | 4.000 | 5.200 | 8.050 |
| Glob G | M0001 | g/l | 22 | 9.400 | 11.35 | 13.50 |
| Chol | M0001 | mmol/l | 132 | 2.810 | 3.485 | 4.600 |
| Trigly | M0001 | mmol/l | 68 | 0.265 | 0.385 | 0.520 |
| Phos-Lip | M0001 | mmol/l | 106 | 2.990 | 4.070 | 5.160 |
| Na+ | M0001 | mmol/l | 132 | 145.0 | 148.1 | 150.3 |
| K+ | M0001 | mmol/l | 132 | 3.990 | 4.435 | 4.810 |
| Ca++ | M0001 | mmol/l | 132 | 2.660 | 2.780 | 2.950 |
| Mg++ | M0001 | mmol/l | 8 | 0.740 | 0.790 | 0.910 |
| Cl- | M0001 | mmol/l | 132 | 106.0 | 109.9 | 115.1 |
| PO4-in | M0001 | mmol/l | 132 | 1.460 | 1.680 | 2.060 |
| ASAT (GOT) | M0001 | U/l | 132 | 16.50 | 21.80 | 33.30 |
| ALAT (GPT) | M0001 | U/l | 132 | 34.70 | 49.50 | 92.30 |
| ALP | M0001 | U/l | 132 | 56.60 | 87.00 | 140.2 |
| GGT | M0001 | U/l | 122 | 0.000 | 3.200 | 5.400 |
| ChE-Pl | M0001 | U/l | 8 | 4598 | 5269 | 5942 |
| ChE-RBC | M0002 | U/l | 8 | 2115 | 2347 | 3451 |
| ChE-Br | M0002 | U/g | 4 | 2.365 | 2.449 | 2.945 |
| CK | M0001 | U/l | 122 | 108.1 | 155.8 | 292.6 |
| T4 | M0001 | nmol/l | 10 | 29.18 | 42.92 | 52.12 |
| T3 | M0001 | nmol/l | 10 | 1.290 | 1.530 | 2.630 |

BLOOD CHEMISTRY REFERENCE VALUES
 UNTREATED FEMALE DOGS (BEAGLE)

Age : 21 - 32 weeks Period : 12.09.91 - 31.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|------------|--------|--------|-----|-------|--------|-------|
| Gluc | M0001 | mmol/l | 134 | 4.310 | 5.585 | 6.370 |
| Urea | M0001 | mmol/l | 134 | 2.710 | 4.235 | 6.140 |
| Creat-e | M0001 | umol/l | 134 | 65.60 | 77.10 | 92.20 |
| Bili-tot | M0001 | umol/l | 140 | 1.660 | 2.855 | 5.090 |
| Bili-dir | M0001 | umol/l | 6 | 0.000 | 0.000 | 0.000 |
| Prot | M0001 | g/l | 140 | 50.25 | 54.41 | 59.48 |
| Alb | M0001 | g/l | 140 | 29.75 | 32.54 | 34.82 |
| Glob | M0001 | g/l | 140 | 19.52 | 21.89 | 25.36 |
| A/G | M0001 | 1 | 140 | 1.210 | 1.480 | 1.680 |
| PreAlb | M0001 | 1 | 26 | 0.000 | 0.000 | 0.000 |
| Alb-el | M0001 | 1 | 26 | 0.545 | 0.590 | 0.653 |
| Glob A1 | M0001 | 1 | 26 | 0.062 | 0.075 | 0.085 |
| Glob A2 | M0001 | 1 | 26 | 0.042 | 0.085 | 0.101 |
| Glob B | M0001 | 1 | 26 | 0.057 | 0.083 | 0.107 |
| Glob G | M0001 | 1 | 26 | 0.134 | 0.171 | 0.212 |
| PreAlb | M0001 | g/l | 26 | 0.000 | 0.000 | 0.000 |
| Alb-el | M0001 | g/l | 26 | 28.70 | 32.65 | 36.90 |
| Glob A1 | M0001 | g/l | 26 | 3.500 | 4.150 | 4.800 |
| Glob A2 | M0001 | g/l | 26 | 2.300 | 4.600 | 5.600 |
| Glob B | M0001 | g/l | 26 | 3.200 | 4.650 | 5.900 |
| Glob G | M0001 | g/l | 26 | 7.500 | 9.400 | 11.00 |
| Chol | M0001 | mmol/l | 134 | 2.860 | 3.610 | 4.720 |
| Trigly | M0001 | mmol/l | 76 | 0.280 | 0.410 | 0.550 |
| Phos-Lip | M0001 | mmol/l | 112 | 3.100 | 4.135 | 5.140 |
| Na+ | M0001 | mmol/l | 134 | 144.8 | 147.2 | 150.0 |
| K+ | M0001 | mmol/l | 134 | 3.910 | 4.300 | 4.740 |
| Ca++ | M0001 | mmol/l | 134 | 2.580 | 2.800 | 2.960 |
| Mg++ | M0001 | mmol/l | 8 | 0.740 | 0.765 | 0.860 |
| Cl- | M0001 | mmol/l | 134 | 106.8 | 110.0 | 115.5 |
| PO4-in | M0001 | mmol/l | 134 | 1.440 | 1.855 | 2.330 |
| ASAT (GOT) | M0001 | U/l | 140 | 15.75 | 21.65 | 31.50 |
| ALAT (GPT) | M0001 | U/l | 140 | 28.80 | 42.70 | 86.60 |
| AlP | M0001 | U/l | 140 | 60.00 | 94.25 | 154.2 |
| GGT | M0001 | U/l | 130 | 0.000 | 2.600 | 4.800 |
| ChE-P1 | M0001 | U/l | 4 | 4038 | 4670 | 7265 |
| ChE-RBC | M0002 | U/l | 4 | 1729 | 2034 | 2628 |
| CK | M0001 | U/l | 124 | 121.9 | 180.2 | 354.0 |
| T4 | M0001 | nmol/l | 10 | 29.61 | 35.89 | 52.63 |
| T3 | M0001 | nmol/l | 10 | 1.170 | 1.750 | 2.440 |

Test No.: 943128

Test Article: CGA 329351 tech.

BLOOD CHEMISTRY REFERENCE VALUES
UNTREATED FEMALE DOGS (BEAGLE)

Age : 33 - 45 weeks

Period : 06.06.91 - 30.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|------------|--------|--------|-----|-------|--------|-------|
| Gluc | M0001 | mmol/l | 132 | 4.530 | 5.515 | 6.380 |
| Urea | M0001 | mmol/l | 132 | 3.130 | 4.545 | 6.320 |
| Creat-e | M0001 | umol/l | 132 | 70.60 | 82.20 | 93.00 |
| Bili-tot | M0001 | umol/l | 132 | 2.070 | 3.070 | 5.330 |
| Bili-dir | M0001 | umol/l | 6 | 0.000 | 0.000 | 0.000 |
| Prot | M0001 | g/l | 132 | 53.10 | 57.08 | 63.10 |
| Alb | M0001 | g/l | 132 | 31.71 | 34.29 | 37.15 |
| Glob | M0001 | g/l | 132 | 20.30 | 22.96 | 26.95 |
| A/G | M0001 | 1 | 132 | 1.240 | 1.490 | 1.740 |
| PreAlb | M0001 | 1 | 22 | 0.000 | 0.000 | 0.000 |
| Alb-el | M0001 | 1 | 22 | 0.560 | 0.612 | 0.659 |
| Glob A1 | M0001 | 1 | 22 | 0.052 | 0.060 | 0.073 |
| Glob A2 | M0001 | 1 | 22 | 0.040 | 0.067 | 0.085 |
| Glob B | M0001 | 1 | 22 | 0.058 | 0.087 | 0.118 |
| Glob G | M0001 | 1 | 22 | 0.145 | 0.172 | 0.218 |
| PreAlb | M0001 | g/l | 22 | 0.000 | 0.000 | 0.000 |
| Alb-el | M0001 | g/l | 22 | 32.40 | 35.85 | 39.90 |
| Glob A1 | M0001 | g/l | 22 | 3.100 | 3.550 | 4.400 |
| Glob A2 | M0001 | g/l | 22 | 2.200 | 4.050 | 5.400 |
| Glob B | M0001 | g/l | 22 | 3.600 | 5.125 | 6.900 |
| Glob G | M0001 | g/l | 22 | 8.400 | 10.00 | 13.45 |
| Chol | M0001 | mmol/l | 132 | 2.670 | 3.460 | 4.485 |
| Trigly | M0001 | mmol/l | 68 | 0.270 | 0.410 | 0.590 |
| Phos-Lip | M0001 | mmol/l | 106 | 3.020 | 3.970 | 5.130 |
| Na+ | M0001 | mmol/l | 132 | 144.2 | 148.3 | 151.0 |
| K+ | M0001 | mmol/l | 132 | 3.880 | 4.220 | 4.710 |
| Ca++ | M0001 | mmol/l | 132 | 2.620 | 2.750 | 2.920 |
| Mg++ | M0001 | mmol/l | 8 | 0.800 | 0.855 | 0.970 |
| Cl- | M0001 | mmol/l | 132 | 106.3 | 110.3 | 115.7 |
| PO4-in | M0001 | mmol/l | 132 | 1.170 | 1.523 | 1.980 |
| ASAT (GOT) | M0001 | U/l | 132 | 16.40 | 24.80 | 37.60 |
| ALAT (GPT) | M0001 | U/l | 132 | 30.60 | 50.30 | 88.70 |
| AlP | M0001 | U/l | 132 | 46.80 | 80.80 | 125.3 |
| GGT | M0001 | U/l | 122 | 0.000 | 3.200 | 5.100 |
| ChE-P1 | M0001 | U/l | 8 | 4034 | 4579 | 6833 |
| ChE-RBC | M0002 | U/l | 8 | 1839 | 2212 | 2805 |
| ChE-Br | M0002 | U/g | 4 | 2.201 | 2.699 | 3.562 |
| CK | M0001 | U/l | 122 | 106.0 | 160.6 | 290.4 |
| T4 | M0001 | nmol/l | 10 | 28.48 | 38.13 | 72.06 |
| T3 | M0001 | nmol/l | 10 | 0.980 | 1.835 | 2.360 |

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8.4. Reference values: Urine analysisURINE ANALYSIS REFERENCE VALUES
UNTREATED MALE DOGS (BEAGLE)

Age : 21 - 32 weeks Period : 11.09.91 - 31.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|-----------|--------|------|-----|-------|--------|-------|
| Rel dens | M0001 | 1 | 139 | 1.004 | 1.021 | 1.049 |
| pH | M0001 | 1 | 139 | 5.000 | 6.500 | 8.500 |

URINE ANALYSIS REFERENCE VALUES
UNTREATED MALE DOGS (BEAGLE)

Age : 33 - 45 weeks Period : 03.06.91 - 30.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|-----------|--------|------|-----|-------|--------|-------|
| Rel dens | M0001 | 1 | 132 | 1.010 | 1.023 | 1.049 |
| pH | M0001 | 1 | 132 | 5.000 | 6.750 | 8.500 |

URINE ANALYSIS REFERENCE VALUES
UNTREATED FEMALE DOGS (BEAGLE)

Age : 21 - 32 weeks

Period : 11.09.91 - 31.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|-----------|--------|------|-----|-------|--------|-------|
| Rel dens | M0001 | 1 | 126 | 1.005 | 1.023 | 1.046 |
| pH | M0001 | 1 | 126 | 5.000 | 6.500 | 8.500 |

URINE ANALYSIS REFERENCE VALUES
UNTREATED FEMALE DOGS (BEAGLE)

Age : 33 - 45 weeks

Period : 03.06.91 - 30.03.95

| PARAMETER | METHOD | UNIT | N | 5% | MEDIAN | 95% |
|-----------|--------|------|-----|-------|--------|-------|
| Rel dens | M0001 | 1 | 129 | 1.008 | 1.024 | 1.042 |
| pH | M0001 | 1 | 129 | 5.000 | 7.000 | 9.000 |

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