Certified Rodent Diet 5002

DESCRIPTION

Certified Rodent Diet is a formulation that has yielded highly favorable results for the maintenance, growth and reproduction of rats and mice. This diet is a complete life-cycle diet formulated using managed formulation, delivering Constant Nutrition®. This is paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. Prior to shipment, a sample of this product is assayed for environmental contaminants.

Features and Benefits

- Managed Formulation delivers Constant Nutrition®
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Prior to shipment, a composite sample is assayed for environmental contaminants
- Pre-analysis monitoring, Constant Nutrition® formulation, along with selection of highest quality ingredients, assures maximum diet control
- Fulfills GLP requirements

Product Forms Available	*Catalog #*
• Oval pellet, 3/8" x 5/8" x 1", 15 kg	0001321
• Meal (ground pellets), 15 kg	0006181
• Oval pellet, 3/8" x 5/8" x 1", 30 lb, Irradiated	3006715-220
• Meal (ground pellets), 30 lb, Irradiated	3005998-020

GUARANTEED ANALYSIS

Crude protein not less than	20.00%
Crude fat not less than	4.50%
Crude fiber not more than	5.50%
Moisture not more than	12.00%
Ash not more than	7.00%

INGREDIENTS

Ground Corn, Dehulled Soybean Meal, Ground Wheat, Wheat Middlings, Fish Meal, Wheat Germ, Dried Plain Beet Pulp, Brewers Dried Yeast, Cane Molasses, Ground Oats, Soybean Oil, Dehydrated Alfalfa Meal, Ground Soybean Hulls, Dried Whey, Casein, Calcium Carbonate, Salt, Choline Chloride, DL-Methionine, Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Cholecalciferol (Vitamin D3), Vitamin A Acetate, Pyridoxine Hydrochloride, DL-Alpha Tocopheryl Acetate (Vitamin E), Folic Acid, Dicalcium Phosphate, Thiamine Mononitrate, Manganous Oxide, Vitamin B12 Supplement, Zinc Oxide, Ferrous Carbonate, Nicotinic Acid, Calcium Pantothenate, Riboflavin Supplement, Copper Sulfate, Zinc Sulfate, Calcium Iodate, Cobalt Carbonate, Biotin, Sodium Selenite.

FEEDING DIRECTIONS

Feed ad libitum to rodents. Plenty of fresh, clean water should be available to the animals at all times.

Rats- All rats will eat varying amounts of feed depending on their genetic origin. Larger strains will eat up to 30 grams per day. Smaller strains will eat up to 15 grams per day. Feeders in rat cages should be designed to hold two to three days supply of feed at one time.

Mice-Adult mice will eat up to 5 grams of pelleted ration daily. Some of the larger strains may eat as much as 8 grams per day per animal. Feed should be available on a free choice basis in wire feeders above the floor of the cage.

Hamsters-Adults will eat up to 14 grams per day.

For information regarding shelf life please visit www.labdiet.com.

CHEMICAL COMPOSITION[1]

Nutrients[2]

Protein, %	**20.7**
Arginine, %	1.22
Cystine, %	0.35
Glycine, %	0.92
Histidine, %	0.52
Isoleucine, %	0.87
Leucine, %	1.59
Lysine, %	1.19
Methionine, %	0.43
Phenylalanine, %	0.90
Tyrosine, %	0.62
Threonine, %	0.79
Tryptophan, %	0.23
Valine, %	0.97
Serine, %	0.98
Aspartic Acid, %	2.20
Glutamic Acid, %	4.16
Alanine, %	1.22
Proline, %	1.35
Taurine, %	0.03
Fat (ether extract), %	**5.0**
Fat (acid hydrolysis), %	**6.3**
Cholesterol, ppm	142
Linoleic Acid, %	2.11
Linolenic Acid, %	0.26
Arachidonic Acid, %	<0.01
Omega-3 Fatty Acids, %	0.42
Total Saturated Fatty Acids, %	0.92
Total Monounsaturated Fatty Acids, %	0.98
Fiber (Crude), %	**4.6**
Neutral Detergent Fiber[3], %	15.5
Acid Detergent Fiber[4], %	6.0
Nitrogen-Free Extract (by difference), %	**52.8**
Starch, %	30.6
Sucrose, %	3.22
Total Digestible Nutrients,%	**75.6**
Gross Energy, kcal/gm	**4.11**
Physiological Fuel Value[5], kcal/gm	**3.43**
Metabolizable Energy, kcal/gm	**3.04**

Minerals

Ash, %	**5.7**
Calcium, %	0.80
Phosphorus, %	0.59
Phosphorus (non-phytate), %	0.32
Potassium, %	1.04
Magnesium, %	0.21
Sulfur, %	0.27
Sodium, %	0.30
Chloride, %	0.53
Fluorine, ppm	9.9
Iron, ppm	190
Zinc, ppm	83
Manganese, ppm	76
Copper, ppm	13
Cobalt, ppm	0.76
Iodine, ppm	0.98
Chromium (added), ppm	0.01
Selenium, ppm	0.34

Vitamins

Carotene, ppm	1.3
Vitamin K, ppm	1.3
Thiamin, ppm	15
Riboflavin, ppm	8.1
Niacin, ppm	87
Pantothenic Acid, ppm	17
Choline, ppm	1580
Folic Acid, ppm	3.1
Pyridoxine, ppm	6.0
Biotin, ppm	0.30
B_{12}, mcg/kg	51
Vitamin A, IU/gm	15
Vitamin D_3 (added), IU/gm	2.3
Vitamin E, IU/kg	65
Ascorbic Acid, mg/gm	0.00

Calories provided by:

Protein, %	24.135
Fat (ether extract), %	13.117
Carbohydrates, %	62.748

1. Formulation based on calculated values from the latest ingredient analysis information. Since nutrient composition of natural ingredients varies and some nutrient loss will occur due to manufacturing processes, analysis will differ accordingly.
2. Nutrients expressed as percent of ration except where otherwise indicated. Moisture content is assumed to be 10.0% for the purpose of calculations.
3. NDF = approximately cellulose, hemi-cellulose and lignin.
4. ADF = approximately cellulose and lignin.
5. Physiological Fuel Value (kcal/gm) = Sum of decimal fractions of protein, fat and carbo- hydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.

NOTE: When assayed, actual levels may vary from calculated values.

LabDiet®
www.labdiet.com