

DESCRIPTION

Certified Rodent Diet is a Constant Nutrition® formulation that has yielded highly favorable results for the maintenance, growth and reproduction of rats and mice. This diet is formulated using the unique and innovative concept of Constant Nutrition®, paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. It has been developed as a complete life-cycle diet. A sample of this product will have been assayed and approved prior to shipment to assure GLP compliance.

Features and Benefits

- Constant Nutrition® formula helps minimize nutritional variables
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Each package is assayed for environmental contaminants prior to shipment
- Preanalysis monitoring, Constant Nutrition® formulation, along with selection of highest quality ingredients, assures maximum diet control
- Fulfills GLP requirements

Product Forms Available

- Oval pellet, 10 mm x 16 mm x 25 mm length (3/8"x5/8"x1")
- Meal (ground pellets)

GUARANTEED ANALYSIS

Crude protein not less than	20.0%
Crude fat not less than	4.5%
Crude fiber not more than	5.5%
Ash not more than	7.0%

INGREDIENTS

Ground corn, dehulled soybean meal, ground wheat, fish meal, wheat middlings, brewers dried yeast, cane molasses, wheat germ, dried beet pulp, dehydrated alfalfa meal, ground oats, soybean oil, dried whey, ground soybean hulls, calcium carbonate, acid casein, salt, choline chloride, DL-methionine, cholecalciferol, menadione dimethylpyrimidinol bisulfite (vitamin K), vitamin A acetate, dicalcium phosphate, pyridoxine hydrochloride, biotin, dl-alpha tocopheryl acetate, folic acid, thiamin mononitrate, vitamin B₁₂ supplement, nicotinic acid, calcium pantothenate, riboflavin, manganous oxide, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate, 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.

CHEMICAL COMPOSITION¹

Nutrients²

Protein, %	20.7
Arginine, %	1.17
Cystine, %	0.28
Glycine, %	0.92
Histidine, %	0.51
Isoleucine, %	0.99
Leucine, %	1.62
Lysine, %	1.18
Methionine, %	0.43
Phenylalanine, %	0.91
Tyrosine, %	0.61
Threonine, %	0.78
Tryptophan, %	0.26
Valine, %	1.03
Serine, %	1.04
Aspartic Acid, %	2.30
Glutamic Acid, %	4.14
Alanine, %	1.24
Proline, %	1.42
Taurine, %	0.02

Fat (ether extract), % .5.0

Fat (acid hydrolysis), % .5.5

Cholesterol, ppm	140
Linoleic Acid, %	2.16
Linolenic Acid, %	0.24
Arachidonic Acid, %	<0.01
Omega-3 Fatty Acids, %	0.38
Total Saturated Fatty Acids, %	0.96
Total Monounsaturated Fatty Acids, %	1.01

Fiber (Crude), % .4.3

Neutral Detergent Fiber³, % .14.9

Acid Detergent Fiber⁴, % .5.8

Nitrogen-Free Extract

(by difference), % .53.8

Starch, % .36.8

Glucose, % .0.23

Fructose, % .0.28

Sucrose, % .3.20

Lactose, % .1.34

Total Digestible Nutrients, % .77.3

Gross Energy, kcal/gm .4.09

Physiological Fuel Value⁵,

kcal/gm .3.43

Metabolizable Energy,

kcal/gm .3.11

Minerals

Ash, % .5.9

Calcium, % .0.80

Phosphorus, % .0.58

Phosphorus (non-phytate), % .0.29

Potassium, % .1.00

Magnesium, % .0.20

Sulfur, % .0.27

Sodium, % .0.31

Chlorine, % .0.55

Fluorine, ppm .7.8

Iron, ppm .220

Zinc, ppm .80

Manganese, ppm .74

Copper, ppm .12

Cobalt, ppm .0.93

Iodine, ppm .0.99

Chromium, ppm .0.73

Selenium, ppm .0.30

Vitamins

Carotene, ppm .1.6

Vitamin K (as menadione), ppm .1.3

Thiamin Hydrochloride, ppm .15

Riboflavin, ppm .8.0

Niacin, ppm .90

Pantothenic Acid, ppm .17

Choline Chloride, ppm .2000

Folic Acid, ppm .3.1

Pyridoxine, ppm .6.0

Biotin, ppm .0.30

B₁₂, mcg/kg .51

Vitamin A, IU/gm .15

Vitamin D₃ (added), IU/gm .2.2

Vitamin E, IU/kg .65

Calories provided by:

Protein, % .24.112

Fat (ether extract), % .13.219

Carbohydrates, % .62.669

*Product Code

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 carbohydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.