

DESCRIPTION

Advanced Protocol® Certified Rodent Diet, 18% is recommended for the maintenance, growth and reproduction of rats, mice and hamsters. 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. A sample of this product will have been assayed prior to shipment. Nutritional quality will be maintained for six months when stored at 72°F (22°C) with 50% relative humidity. For protocols that call for 5002 with lower protein.

Features and Benefits

- Constant Nutrition® formula helps minimize nutritional variables
- Each package is assayed for environmental contaminants prior to shipment
- Preanalysis monitoring assures maximum diet control
- Certification profile 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	18.0%
Crude fat not less than	3.5%
Crude fiber not more than	6.0%

INGREDIENTS

Ground corn, ground wheat, wheat middlings, corn gluten meal, dehulled soybean meal, dried beet pulp, soybean oil, dehydrated alfalfa meal, calcium carbonate, brewers dried yeast, soy protein concentrate, salt, dicalcium phosphate, monocalcium phosphate, L-lysine, DL-methionine, choline chloride, potassium chloride, menadione dimethylpyrimidinol bisulfite (vitamin K), chromium potassium sulfate, pyridoxine hydrochloride, cholecalciferol, vitamin A acetate, dl-alpha tocopheryl acetate, biotin, folic acid, nicotinic acid, vitamin B₁₂ supplement, calcium pantothenate, riboflavin, thiamin mononitrate, zinc oxide, L-tryptophan, manganous 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, %	18.0
Arginine, %	1.05
Cystine, %	0.26
Glycine, %	0.79
Histidine, %	0.43
Isoleucine, %	0.89
Leucine, %	1.41
Lysine, %	1.06
Methionine, %	0.35
Phenylalanine, %	0.82
Tyrosine, %	0.49
Threonine, %	0.65
Tryptophan, %	0.24
Valine, %	0.88
Serine, %	1.02
Aspartic Acid, %	2.07
Glutamic Acid, %	4.44
Alanine, %	1.02
Proline, %	1.45
Taurine, %	0.00

Fat (ether extract), % 3.5

Fat (acid hydrolysis), % 4.4

Cholesterol, ppm	0
Linoleic Acid, %	1.89
Linolenic Acid, %	0.20
Arachidonic Acid, %	0
Omega-3 Fatty Acids, %	0.20
Total Saturated Fatty Acids, %	0.67
Total Monounsaturated Fatty Acids, %	0.73

Fiber (Crude), % 4.0

Neutral Detergent Fiber³, % 15.3

Acid Detergent Fiber⁴, % 5.7

Nitrogen-Free Extract

(by difference), % 59.7

Starch, % 46.5

Glucose, % 0.2

Fructose, % 0.3

Sucrose, % 1.3

Lactose, % 0

Total Digestible Nutrients, % 77.4

Gross Energy, kcal/gm 3.99

Physiological Fuel Value⁵, kcal/gm 3.42

Metabolizable Energy, kcal/gm 3.20

Minerals

Ash, % 4.8

Calcium, % 0.75

Phosphorus, % 0.56

Phosphorus (non-phytate), % 0.30

Potassium, % 0.82

Magnesium, % 0.18

Sulfur, % 0.21

Sodium, % 0.26

Chlorine, % 0.50

Fluorine, ppm 12

Iron, ppm 200

Zinc, ppm 78

Manganese, ppm 73

Copper, ppm 11

Cobalt, ppm 0.52

Iodine, ppm 0.83

Chromium, ppm 1.0

Selenium, ppm 0.29

Vitamins

Carotene, ppm 1.3

Vitamin K (as menadione), ppm 3.3

Thiamin Hydrochloride, ppm 9.5

Riboflavin, ppm 8.0

Niacin, ppm 130

Pantothenic Acid, ppm 17

Choline Chloride, ppm 1800

Folic Acid, ppm 2.9

Pyridoxine, ppm 8.0

Biotin, ppm 0.25

B₁₂, mcg/kg 25

Vitamin A, IU/gm 10

Vitamin D₃ (added), IU/gm 2.2

Vitamin E, IU/kg 110

Ascorbic Acid, mg/gm —

Calories provided by:

Protein, % 21.034

Fat (ether extract), % 9.203

Carbohydrates, % 69.763

*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.