

DESCRIPTION

Rat Diet is specifically designed to support reproduction, lactation, growth and maintenance of rats. 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. It is low in cholesterol content, with an increased level of unsaturated fatty acids over other rodent diets.

Features and Benefits

- **Managed Formulation delivers Constant Nutrition®**
- Highly digestible formula specifically for rats
- Low cholesterol
- High quality fish meal and plant proteins added to create a superior balance of amino acids for optimum performance

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	22.0%
Crude fat not less than	4.0%
Crude fiber not more than	5.0%
Ash not more than	8.0%
Moisture not more than	12.0%

INGREDIENTS

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

FEEDING DIRECTIONS

Provide feeders large enough to hold two to three days supply of Rat Diet at any time. Arrange feeders so that animals cannot contaminate feed with feces. Keep plenty of clean, fresh water 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.

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

CHEMICAL COMPOSITION¹

Nutrients²	
Protein, %	23.2
Arginine, %	1.49
Cystine, %	0.38
Glycine, %	1.13
Histidine, %	0.60
Isoleucine, %	0.97
Leucine, %	1.81
Lysine, %	1.36
Methionine, %	0.60
Phenylalanine, %	1.05
Tyrosine, %	0.70
Threonine, %	0.88
Tryptophan, %	0.26
Valine, %	1.07
Serine, %	1.13
Aspartic Acid, %	2.59
Glutamic Acid, %	4.67
Alanine, %	1.37
Proline, %	1.46
Taurine, %	0.03
Fat (ether extract), %	5.0
Fat (acid hydrolysis), %	6.4
Cholesterol, ppm	174
Linoleic Acid, %	2.24
Linolenic Acid, %	0.27
Arachidonic Acid, %	0.01
Omega-3 Fatty Acids, %	0.46
Total Saturated Fatty Acids, %	0.73
Total Monounsaturated Fatty Acids, %	0.99
Fiber (Crude), %	3.9
Neutral Detergent Fiber ³ , %	13.3
Acid Detergent Fiber ⁴ , %	4.9
Nitrogen-Free Extract (by difference), %	51.4
Starch, %	28.6
Glucose, %	0.27
Fructose, %	0.32
Sucrose, %	3.45
Lactose, %	0.00
Total Digestible Nutrients, %	76.0
Gross Energy, kcal/gm	4.15
Physiological Fuel Value⁵, kcal/gm	3.43
Metabolizable Energy, kcal/gm	3.07
Minerals	
Ash, %	6.4
Calcium, %	0.95
Phosphorus, %	0.74
Phosphorus (non-phytate), %	0.45
Potassium, %	1.15
Magnesium, %	0.21
Sulfur, %	0.32
Sodium, %	0.28
Chloride, %	0.51
Fluorine, ppm	21
Iron, ppm	260
Zinc, ppm	87
Manganese, ppm	78
Copper, ppm	14
Cobalt, ppm	0.64
Iodine, ppm	1.0
Chromium (added), ppm	0.01
Selenium, ppm	0.39
Vitamins	
Carotene, ppm	1.8
Vitamin K, ppm	1.3
Thiamin Hydrochloride, ppm	12
Riboflavin, ppm	4.5
Niacin, ppm	80
Pantothenic Acid, ppm	13
Choline Chloride, ppm	1900
Folic Acid, ppm	1.0
Pyridoxine, ppm	6.5
Biotin, ppm	0.3
B ₁₂ , mcg/kg	51
Vitamin A, IU/gm	12
Vitamin D ₃ (added), IU/gm	3.4
Vitamin E, IU/kg	35
Ascorbic Acid, mg/gm	—
Calories provided by:	
Protein, %	27.020
Fat (ether extract), %	13.103
Carbohydrates, %	59.877
*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, hemicellulose 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.	