Prolab® RMH 2000 5P06

DESCRIPTION

Prolab® RHM 2000 is an 18% protein and 9% fat diet formulated for rats, mice and hamsters in a laboratory setting. Energy levels may optimize reproduction in mouse colonies. 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.

Features and Benefits

- Managed Formulation delivers Constant Nutrition®
- High quality animal protein added to create a superior balance of amino acids for optimum performance
- Designed to meet the energy needs of breeding mouse colonies, transgenic strains, and rodents exposed to higher stress levels
- Utilizes a variety of energy sources to deliver nutrition at an economical cost

Product Forms Available	*Catalog #*
• Oval pellet, 3/8" x 5/8" x 1", 50 lb	0006781

GUARANTEED ANALYSIS

Crude protein not less than	18.00%
Crude fat not less than	9.00%
Crude fiber not more than	4.00%
Moisture not more than	12.00%
Ash not more than	8.00%
Sodium not more than	0.70%

INGREDIENTS

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

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, %	**18.8**
Arginine, %	1.04
Cystine, %	0.34
Glycine, %	1.07
Histidine, %	0.41
Isoleucine, %	0.73
Leucine, %	1.34
Lysine, %	0.95
Methionine, %	0.64
Phenylalanine, %	0.77
Tyrosine, %	0.51
Threonine, %	0.68
Tryptophan, %	0.23
Valine, %	0.89
Serine, %	0.91
Aspartic Acid, %	1.68
Glutamic Acid, %	4.24
Alanine, %	0.92
Proline, %	1.50
Taurine, %	0.01
Fat (ether extract), %	**9.5**
Fat (acid hydrolysis), %	**10.4**
Cholesterol, ppm	79
Linoleic Acid, %	4.69
Linolenic Acid, %	0.67
Arachidonic Acid, %	0.02
Omega-3 Fatty Acids, %	0.72
Total Saturated Fatty Acids, %	1.80
Total Monounsaturated Fatty Acids, %	2.16
Fiber (Crude), %	**3.2**
Neutral Detergent Fiber[3], %	14.1
Acid Detergent Fiber[4], %	4.1
Nitrogen-Free Extract (by difference), %	**51.7**
Starch, %	29.3
Sucrose, %	0.48
Total Digestible Nutrients,%	**84.2**
Gross Energy, kcal/gm	**4.51**
Physiological Fuel Value[5], kcal/gm	**3.68**
Metabolizable Energy, kcal/gm	**3.47**

Minerals

Ash, %	**6.8**
Calcium, %	1.03
Phosphorus, %	0.85
Phosphorus (non-phytate), %	0.63
Potassium, %	1.04
Magnesium, %	0.23
Sulfur, %	0.38
Sodium, %	0.45
Chloride, %	0.63
Fluorine, ppm	24
Iron, ppm	440
Zinc, ppm	140
Manganese, ppm	120
Copper, ppm	16
Cobalt, ppm	0.72
Iodine, ppm	1.4
Chromium (added), ppm	0.01
Selenium, ppm	0.54

Vitamins

Carotene, ppm	1.1
Vitamin K, ppm	1.3
Thiamin, ppm	7.6
Riboflavin, ppm	12
Niacin, ppm	51
Pantothenic Acid, ppm	16
Choline, ppm	1640
Folic Acid, ppm	0.90
Pyridoxine, ppm	8.0
Biotin, ppm	0.30
B_{12}, mcg/kg	51
Vitamin A, IU/gm	15
Vitamin D_3 (added), IU/gm	1.6
Vitamin E, IU/kg	49
Ascorbic Acid, mg/gm	0.0

Calories provided by:

Protein, %	20.417
Fat (ether extract), %	23.350
Carbohydrates, %	56.233

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.

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www.labdiet.com