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PRODUCT DATA SHEET
Release date: May 2023

Lab Rat and Mouse Growth and Breeding Diet

Description

Lab Rat and Mouse Growth and Breeding Diet is a complete life cycle diet formulated to meet the nutritional requirements of growth, breeding and lactation of lab rats and mice. This is formulated using constant formulation, delivering comprehensive nutrition, ensuring the stability of the experimental data. This diet conforms to standards of GB14924.1 *Laboratory animals General quality standard for formula feeds*, GB14924.2 *Laboratory animals-Hygienic standard for formula feeds* , GB14924.3 *Laboratory animals—Nutrients for formula feeds* and GB13078 *Hygienical standard for feeds*.

Features and Benefits

1) This diet has comprehensive nutrition and meet the nutritional requirements of growth, breeding and lactation of lab rats and mice.

2) This diet uses high-quality animal protein feedstuff, optimizes the ratio of amino acids, vitamins and trace elements, and improves breeding performance.

3) It can effectively kill bacteria, parasites and other pathogenic microorganisms after irradiation sterilization, and meet the health requirements of SPF lab rats and mice.

Ingredients

Ground Corn, Wheat, Alfalfa Grass, Fish Meal, Chicken Meal, Dehulled Soybean Meal, Soybean Oil, Salt, Stone Powder, Calcium Hydrogen Phosphate, Choline Chloride, DL-Methionine, Vitamin A Acetate, Cholecalciferol (Vitamin D3), DL-Alpha Tocopheryl Acetate (Vitamin E), Menadione Dimethylpyrimidinol Bisulfite (Vitamin K), Thiamine Monontrate, Riboflavin, Pyridoxine Hydrochloride, Cobalamin, Nicotinic Acid, D-Calcium Pantothenate, Folic Acid, D-Biotin, Copper Chloride Hydroxide, Ferrous Sulfate, Manganese Sulfate, Zinc Methionine, Selenium Yeast, etc.

The product color shall be subject to the actual object.

Feeding Directions

Feed ad libitum or restricted to rats and mice. Plenty of fresh, clean water should be available to the animals at all times.

Guaranteed Analysis

Moisture not more than	100g/kg
Crude protein not less than	200g/kg
Crude fat not less than	40g/kg
Crude fiber not more than	50g/kg
Ash not more than	80g/kg
Calcium	10～18g/kg
Phosphorus	6～12g/kg
Ca:P	1.2:1~1.7:1

Product Forms

Shape	Cylinder pellet
Diameter	12mm
Length	2-4cm

Product Specifications

common level	20kg / bag
SPF level (Irradiated sterilization)	2kg*10 bag / box

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Nutrients

Amino Acids

Lysine, g/kg	15.3
Methionine+Cystine, g/kg	8.4
Arginine, g/kg	12.4
Histidine, g/kg	5.7
Tryptophan, g/kg	2.6
Phenylalanine+Tyrosine, g/kg	15.8
Threonine, g/kg	9.6
Leucine, g/kg	17.8
Isoleucine, /kg	10.8
Valine, g/kg	11.9

Minerals

Magnesium, g/kg	2.39
Potassium, g/kg	5.88
Sodium, g/kg	3.10
Iron, mg/kg	207
Manganese, mg/kg	153
Copper, mg/kg	14
Zinc, mg/kg	126
Iodine, mg/kg	0.83
Selenium, mg/kg	0.19

Vitamins

Vitamin A, IU/kg	27600
Vitamin D, IU/kg	2320
Vitamin E, IU/kg	219
Vitamin K, mg/kg	6.9
Vitamin B1, mg/kg	23.8
Vitamin B2, mg/kg	20.7
Vitamin B6, mg/kg	20.5
Vitamin B12, mg/kg	0.034
Niacin, mg/kg	110
Pantothenic Acid, mg/kg	28.8
Folic Acid, mg/kg	11.4
Biotin, mg/kg	0.321
Total choline, mg/kg	1290
Vitamin C, mg/kg	-

Energy

Gross Energy, Kcal/kg	3856
Physiological Fuel Value, Kcal/kg	3448

Calories provided by

Protein, %	24.2
Fat (ether extract), %	12.4
Carbohydrates, %	63.4

Note: Physiological Fuel Value (kcal/kg) =Sum of decimal fractions of protein, fat and carbohydrate (use Nitrogen Free Extract) *4, 9, 4 kcal/gm respectively.
* 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.

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