Rodent NIH-31 Open Formula Auto for Maintenance & Growth



The NIH-31 Open Formula Autoclavable diet is formulated for maintenance, growth, reproduction, and lactation of both rats and mice. It contains additional amounts of vitamins to compensate for losses that occur during steam sterilization. It has been used at the National Institutes of Health as the standard reference diet for biological and biomedical research. It is also widely used in commercial rat and mouse production colonies.

DIETARY INGREDIENT COMPOSITION (% BY WEIGHT)

| Ground No. 2 Yellow Corn | 21.00 | Soybean Oil | 1.50 | Limestone | 1.50 |
|--------------------------|-------|------------------------|------|-----------|------|
| Ground Whole Wheat | 35.37 | Alfalfa Meal (17%) | 2.00 | Salt | 0.50 |
| Ground Whole Oats | 10.00 | Corn Gluten Meal (60%) | 2.00 | Premixes | 0.63 |
| Wheat Middlings | 10.00 | Brewers Dried Yeast | 1.00 | | |
| Fish Meal (60%) | 9.00 | Dicalcium Phosphate | 1.50 | | |



Disclaimer: Photos of feed may vary from screen appearance, printing and lot production. This is a visual to give you a representation of particle range and color approximate. Consult your representative for a sample today.

CALCULATED NUTRIENT COMPOSITION

| Amino Acid Concentration* | (% of t | otal diet) |
|---------------------------|---------|------------|
| Arginine | | 1.02 |
| Lysine | | 0.91 |
| Methionine | | 0.36 |
| Cystine | | 0.28 |
| Tryptophan | | 0.20 |
| Histidine | | 0.41 |
| Leucine | | 1.48 |
| Isoleucine | | 0.79 |
| Phenylalanine | | 0.82 |
| Tyrosine | | 0.63 |
| Threonine | | 0.67 |
| Valine | | 0.90 |

| Mineral Concentration* | | | | | | |
|------------------------|-----|--------|--|--|--|--|
| Calcium | % | 1.11 | | | | |
| Phosphorous | % | 0.93 | | | | |
| Potassium | % | 0.58 | | | | |
| Sodium | 0/0 | 0.28 | | | | |
| Magnesium | % | 0.22 | | | | |
| Iron | ppm | 206.00 | | | | |
| Zinc | ppm | 58.00 | | | | |
| Manganese | ppm | 152.00 | | | | |
| Copper | ppm | 17.50 | | | | |
| Cobalt | ppm | 0.72 | | | | |
| Iodine | ppm | 2.00 | | | | |

| Vitamin Concentration | | | | | | |
|------------------------------|--------|---------|--|--|--|--|
| Vitamin A | IU/g | ** | | | | |
| Vitamin D _z | IU/g | 4.00 | | | | |
| Alpha-Tocopherol IU/kg 44.00 | | | | | | |
| Thiamine | ppm | 77.00 | | | | |
| Riboflavin | ppm | 7.60 | | | | |
| Niacin | ppm | 83.20 | | | | |
| Pantothenic Acid ppm 38.00 | | | | | | |
| Choline | ppm | 1916.00 | | | | |
| Pyrodoxine | ppm | 10.60 | | | | |
| Folic Acid | ppm | 1.56 | | | | |
| Biotin | ppm | 0.30 | | | | |
| Vitamin B12 | Mcg/kg | 55.80 | | | | |
| Vitamin K | ppm | 22.20 | | | | |
| | | | | | | |

*Amino acid, mineral and vitamin concentrations are obtained from dietary specifications for laboratory animals prepared by the National Institutes of Health. **(10.0) True Vitamin A activity by HPLC Method.

Source: NIH. Dietary specifications

Gross Energy Kcal/gm 3.97

Minimum

Minimum

PACKAGING

30 lb., 3-ply autoclavable paper bags

PARTICLE SIZE

Binamic Wafer

FEEDING INSTRUCTIONS

Zeigler rodent diets are formulated for ad libitum feeding. Adult rats will consume 15-20 grams of diet per day, while adult mice will consume 4-6 grams of diet per day. Clean, fresh water should be available ad libitum.



Zeigler Bros., Inc. 400 Gardners Station Road Gardners, PA 17324 USA

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GLOBALG.A.P.



Maximum 5.0% Maximum 8.0%

STORAGE

Ash

Crude Protein

Crude Fat

Crude Fiber

GUARANTEED ANALYSIS

- Best if used within nine (9) months from date of manufacture.
- Sealed bags should be stored in a well-ventilated area in a cool, dry area away from direct sun light. Keep bags elevated from direct contact with floors & walls, protected from moisture & pests.

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