

# Rodent NIH-31 Open Formula Auto



## Product Description

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 (Percentage by Weight)

Ground No. 2 Yellow Corn	21.00	Corn Gluten Meal (60%)	2.00
Ground Whole Wheat	35.37	Brewers Dried Yeast	1.00
Wheat Middlings	10.00	Dicalcium Phosphate	1.50
Fish Meal (60%)	9.00	Limestone	0.50
Soybean Meal (47.5%)	5.00	Salt	0.50
Soybean Oil	1.50	Premixes	0.63
Alfalfa Meal (17%)	2.00		

## Calculated Nutrient Composition

### *Amino Acids (% of total 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

### *Vitamins*

Vitamin A	IU/g	25.90
Vitamin D3	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
Pyridoxine	ppm	10.60
Folic Acid	ppm	1.56
Biotin	ppm	0.30
Vitamin B12	mcg/kg	55.80
Vitamin K	ppm	22.20

**Gross Energy                      Kcal/gm                      3.97**

### *Minerals*

Calcium	%	1.11
Phosphorus	%	0.93
Potassium	%	0.58
Sodium	%	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

### **Guaranteed Analyses:**

Crude Protein	Minimum	18.0%
Crude Fat	Minimum	4.0%
Crude Fiber	Maximum	5.0%
Ash	Maximum	8.0%