

DESCRIPTION

Advanced Protocol® PicoLab® Natural Sunflower is designed as enrichment for rodents, rabbits or primates. Irradiation and special packaging provide a virtually bacteria-free diet.

Features and Benefits

- Provides additional activity for laboratory animals
- Source of fatty acids and amino acids to supplement daily ration, if needed
- Irradiation gives reliable microbial control and eliminates the need for autoclaving
- Human grade edible grey striped sunflowers
- Single ingredient provides consistent nutrition

Product Forms Available

- Jumbo grey striped sunflowers 15 lb sealed bag

GUARANTEED ANALYSIS

Crude protein not less than16.0%
Crude fat not less than23.0%
Crude fiber not more than35.0%

INGREDIENTS

Grey striped sunflower seeds.

FEEDING DIRECTIONS

Feed to rodents, rabbits or primates as enrichment. Add to feeders sparingly to avoid creating a dietary imbalance.

CHEMICAL COMPOSITION¹**Nutrients²**

Protein, %	16.5
Arginine, % . . . . .	.090
Cystine, % . . . . .	.020
Glycine, % . . . . .	.063
Histidine, % . . . . .	.025
Isoleucine, % . . . . .	.046
Leucine, % . . . . .	.074
Lysine, % . . . . .	.041
Methionine, % . . . . .	.011
Phenylalanine, % . . . . .	.056
Tyrosine, % . . . . .	.023
Threonine, % . . . . .	.040
Tryptophan, % . . . . .	.038
Valine, % . . . . .	.057
Serine, % . . . . .	.048
Aspartic Acid, % . . . . .	.104
Glutamic Acid, % . . . . .	.249
Alanine, % . . . . .	.049
Proline, % . . . . .	.048
Taurine, % . . . . .	.000
Fat (ether extract), %	26.0
Fat (acid hydrolysis), %	24.7
Cholesterol, ppm	<20.0
Linoleic Acid, % . . . . .	.170
Linolenic Acid, % . . . . .	.003
Arachidonic Acid, % . . . . .	.000
Omega-3 Fatty Acids, % . . . . .	.003
Total Saturated Fatty Acids, % . . . . .	.261
Total Monounsaturated Fatty Acids, % . . . . .	.536
Fiber (Crude), %	28.1
Neutral Detergent Fiber ³, % . . . . .	.434
Acid Detergent Fiber ⁴, % . . . . .	.314
Nitrogen-Free Extract (by difference), %	16.9
Starch, % . . . . .	.076
Glucose, % . . . . .	.000
Fructose, % . . . . .	.000
Sucrose, % . . . . .	.159
Lactose, % . . . . .	.000
Total Digestible Nutrients, %	52.9
Gross Energy, kcal/gm	5.24
Physiological Fuel Value⁵, kcal/gm	3.68
Metabolizable Energy, kcal/gm	3.80
Minerals	
Ash, %	2.5
Calcium, % . . . . .	.012
Phosphorus, % . . . . .	.046
Phosphorus (non-phytate), % . . . . .	.018
Potassium, % . . . . .	.073
Magnesium, % . . . . .	.029

Sulfur, % . . . . .	.017
Sodium, % . . . . .	.078
Chlorine, % . . . . .	.006
Fluorine, ppm . . . . .	.11
Iron, ppm . . . . .	.47
Zinc, ppm . . . . .	.38
Manganese, ppm . . . . .	.18
Copper, ppm . . . . .	.14
Cobalt, ppm . . . . .	.00
Iodine, ppm . . . . .	.00
Chromium, ppm . . . . .	.31
Selenium, ppm . . . . .	.025

Vitamins

Carotene, ppm . . . . .	.00
Vitamin K (as menadione), ppm	<20.0
Thiamin Hydrochloride, ppm . . . . .	.00
Riboflavin, ppm . . . . .	.00
Niacin, ppm . . . . .	.36
Pantothenic Acid, ppm . . . . .	.64
Choline Chloride, ppm . . . . .	.1500
Folic Acid, ppm . . . . .	.17
Pyridoxine, ppm . . . . .	.43
Biotin, ppm . . . . .	.081
B ₁₂ , mcg/kg . . . . .	.00
Vitamin A, IU/gm	<0.6
Vitamin D ₃ (added), IU/gm . . . . .	.00
Vitamin E, IU/kg . . . . .	.18
Ascorbic Acid, mg/gm	—

Calories provided by:

Protein, % . . . . .	.17.954
Fat (ether extract), % . . . . .	.63.656
Carbohydrates, % . . . . .	.18.390

***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, hemi-cellulose 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.