

DESCRIPTION

The Baker Amino Acid Diet is a synthetic, purified diet. The diet contains crystalline amino acids (16% of the diet, 13.9% crude protein equivalent) as the sole source on nitrogen.

This formula was first introduced in Hirakawa et al. 1984. "Comparative utilization of a crystalline amino acid diet and a methionine fortified casein diet by young rats and mice."

Intended for rodents in a laboratory setting.

CAUTION: Contains a new animal drug for investigational use only in laboratory research animals or for tests in vitro. Not for use in humans.

Storage conditions are particularly critical to TestDiet® products, due to the absence of antioxidants or preservative agents. To provide maximum protection against possible changes during storage, store in a dry, cool location. Storage under refrigeration (2° C) is recommended. Maximum shelf life is six months. (If long term studies are involved, storing the diet at -20° C or colder may prolong shelf life.) Be certain to keep in air tight containers.

Product Forms Available*	Catalog #
1/2" Pellet	1812281
1/2" Pellet, 5 kg HS	1812281-279
1/2" Pellet, Irradiated	1812426
1/2" Pellet, Irradiated, 2kg HS	1812426-293

*Other Forms Available On Request

INGREDIENTS (%)	
Corn Starch	41.7824
Sucrose	25.9000
Baker Amino Acid Premix	16.0000
Baker Amino Acid Mineral Premix	10.0000
Corn Oil	5.0000
Sodium Bicarbonate	1.0000
Baker Amino Acid Vitamin Premix	0.2000
Choline Chloride	0.1000
Ethoxyquin (a preservative)	0.0136
DL-Alpha Tocopheryl Acetate (Form of Vitamin E)	0.0040

*See page 2 for Expanded Ingredient Listings

FEEDING DIRECTIONS

Feed ad libitum. Plenty of fresh, clean water should be available at all times.

CAUTION:
Perishable - store properly upon receipt.
For laboratory animal use only; NOT for human consumption.

1/9/2023

NUTRITIONAL PROFILE ¹

Protein, %	15.1	Minerals	
Arginine, %	0.83	Calcium, %	1.21
Histidine, %	0.49	Phosphorus, %	0.72
Isoleucine, %	0.80	Potassium, %	0.41
Leucine, %	1.20	Magnesium, %	0.01
Lysine, %	1.10	Sodium, %	0.64
Methionine, %	0.60	Chloride, %	1.15
Cystine, %	0.40	Fluorine, ppm	0.0
Phenylalanine, %	0.80	Iron, ppm	87
Tyrosine, %	0.40	Zinc, ppm	52
Threonine, %	0.78	Manganese, ppm	211
Tryptophan, %	0.20	Copper, ppm	5.0
Valine, %	0.80	Cobalt, ppm	0.3
Alanine, %	1.00	Iodine, ppm	30.58
Aspartic Acid, %	1.00	Chromium (added), ppm	0.0
Glutamic Acid, %	1.00	Molybdenum, ppm	35.69
Glycine, %	0.99	Selenium, ppm	0.46
Proline, %	1.00		
Serine, %	1.00	Vitamins	
Taurine, %	0.00	Vitamin A, IU/g	5.2
		Vitamin D-3 (added), IU/g	0.9
Fat, %	5.1	Vitamin E, IU/kg	25.2
Cholesterol, ppm	0	Vitamin K, ppm	2.00
Linoleic Acid, %	2.86	Thiamin, ppm	18.4
Linolenic Acid, %	0.05	Riboflavin, ppm	10.0
Arachidonic Acid, %	0.00	Niacin, ppm	50
Omega-3 Fatty Acids, %	0.05	Pantothenic Acid, ppm	28
Total Saturated Fatty A	0.64	Folic Acid, ppm	4.0
Total Monounsaturated		Pyridoxine, ppm	4.9
Fatty Acids, %	1.21	Biotin, ppm	0.6
Polyunsaturated Fatty Acids, %	2.90	Vitamin B-12, mcg/kg	38
		Choline Chloride, ppm	700
Fiber (max), %	0.0	Ascorbic Acid, ppm	250.0
Carbohydrates, %	72.8		
Energy (kcal/g) ²	3.97		
From:	kcal	%	
Protein	0.604	15.2	
Fat (ether extract)	0.458	11.5	
Carbohydrates	2.911	73.3	

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. Nutrients expressed as percent of ration on an As-Fed basis except where otherwise indicated.

2. Energy (kcal/gm) - Sum of decimal fractions of protein, fat and carbohydrate x 4,9,4 kcal/gm respectively.

NOTE: When assayed, actual levels may vary from calculated values.

EXPANDED INGREDIENT LIST

Baker Amino Acid Vitamin Premix	Sucrose, Ascorbic Acid, Inositol, Nicotinic Acid, Calcium Pantothenate, Thiamine Mononitrate, Riboflavin, Pyridoxine Hydrochloride, Vitamin A Acetate, Folic Acid, Vitamin B12, Menadione Sodium Bisulfite (source of vitamin K), Aminobenzoic Acid, Cholecalciferol, Biotin
Baker Amino Acid Mineral Premix	Corn Starch, Calcium Phosphate, Potassium Phosphate, Sodium Chloride, Calcium Carbonate, Manganese Sulfate, Ferric Citrate, Magnesium Sulfate, Zinc Carbonate, Sodium Molybdate, Boric Acid, Potassium Iodide, Copper Sulfate, Sodium Selenite, Cobalt Sulfate
Baker Amino Acid Premix	L-Lysine Monohydrochloride, L-Leucine, L-Arginine-HCl, L-Alanine, L-Asparagine, Glutamic Acid, L-Glutamine, L-Proline, L-Serine, Glycine, L-Isoleucine, L-Valine, L-Threonine, L-Phenylalanine, L-Methionine, L-Histidine HCl-H2O, L-Tyrosine, L-Cystine, L-Tryptophan