

## DESCRIPTION

TestDiet® AIN-76A Semi-Purified Diet is intended for rats, mice or hamsters. Formula first introduced in Report of the American Institute of Nutrition Ad Hoc Committee of Standards for Nutritional Studies (1976) pp 1340-1348.

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	22559
1/2" Pellet, Irradiated	50988
1/2" Pellet, Irradiated, 2 kg HS	1816117-293
Meal	1814523

\*Other Forms Available On Request

**INGREDIENTS (%)**

Sucrose	49.9990
Casein - Vitamin Tested	20.0000
Corn Starch	15.0000
Corn Oil	5.0000
Powdered Cellulose	5.0000
AIN-76A Mineral Mix	3.5000
AIN-76A Vitamin Mix	1.0000
DL-Methionine	0.3000
Choline Bitartrate	0.2000
Ethoxyquin (a preservative)	0.0010

\*See page 2 for Expanded Ingredient Listings

**FEEDING DIRECTIONS**

Feed ad libitum to mice and rats. 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 <sup>1</sup>**

<b>Protein, %</b>	<b>18.0</b>	<b>Minerals</b>	
Arginine, %	0.70	Calcium, %	0.53
Histidine, %	0.52	Phosphorus, %	0.56
Isoleucine, %	0.96	Potassium, %	0.36
Leucine, %	1.73	Magnesium, %	0.05
Lysine, %	1.45	Sodium, %	0.12
Methionine, %	0.82	Chloride, %	0.21
Cystine, %	0.07	Fluorine, ppm	0.0
Phenylalanine, %	0.96	Iron, ppm	48
Tyrosine, %	1.01	Zinc, ppm	36
Threonine, %	0.77	Manganese, ppm	59
Tryptophan, %	0.22	Copper, ppm	6.0
Valine, %	1.14	Cobalt, ppm	0.0
Alanine, %	0.55	Iodine, ppm	0.21
Aspartic Acid, %	1.29	Chromium (added), ppm	2.0
Glutamic Acid, %	4.08	Molybdenum, ppm	0.00
Glycine, %	0.39	Selenium, ppm	0.17
Proline, %	2.36		
Serine, %	1.10	<b>Vitamins</b>	
Taurine, %	0.00	Vitamin A, IU/g	4.0
		Vitamin D-3 (added), IU/g	1.0
		Vitamin E, IU/kg	55.2
		Vitamin K, ppm	0.50
		Thiamin, ppm	4.8
		Riboflavin, ppm	6.7
		Niacin, ppm	30
		Pantothenic Acid, ppm	16
		Folic Acid, ppm	2.1
		Pyridoxine, ppm	5.8
		Biotin, ppm	0.2
		Vitamin B-12, mcg/kg	13
		Choline Chloride, ppm	1,000
		Ascorbic Acid, ppm	0.0

<b>Fat, %</b>	<b>5.0</b>	
Cholesterol, ppm	0	
Linoleic Acid, %	2.86	
Linolenic Acid, %	0.05	
Arachidonic Acid, %	0.00	
Omega-3 Fatty Acids, %	0.05	
Total Saturated Fatty A	0.64	
Total Monounsaturated		
Fatty Acids, %	1.21	
Polyunsaturated Fatty Acids, %	2.90	
<b>Fiber (max), %</b>	<b>5.0</b>	
<b>Carbohydrates, %</b>	<b>66.4</b>	

**Energy (kcal/g) <sup>2</sup>**

From:	kcal	%
Protein	0.719	18.8
Fat (ether extract)	0.453	11.8
Carbohydrates	2.656	69.4

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.**

**TestDiet**

www.testdiet.com

EXPANDED INGREDIENT LIST

AIN-76A Mineral Mix	Calcium Phosphate, Potassium Citrate, Tribasic Monohydrate, Sucrose, Sodium Chloride, Potassium Sulfate, Magnesium Oxide, Ferric Citrate, Manganese Carbonate, Zinc Carbonate, Chromium Potassium Sulfate, Cupric Carbonate, Sodium Selenite, Potassium Iodate
AIN-76A Vitamin Mix	Sucrose, DL-Alpha Tocopheryl Acetate (Form of Vitamin E), Nicotinic Acid, Vitamin A Palmitate, Calcium Pantothenate, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Cholecalciferol, Folic Acid, Vitamin B12, Menadione Sodium Bisulfite (source of vitamin K), Biotin.