

DESCRIPTION

Diet Induced Obesity Rodent Purified Diet with 10% Energy From Fat, Dyed Yellow is based on AIN-76A Semi-Purified Diet, Rat or Mouse 5800-B. See Van Heek et al., J. Clin. Invest. 99:385-390, 1997, for initial use of lower-fat versions of this formula. Originally manufactured as "D12450B".

Intended for rodents in a laboratory setting.

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	58124
1/2" Pellet, Irradiated	0056834
Meal	1810727
Meal, Irradiated	1810728

**Other Forms Available On Request*

INGREDIENTS (%)

Dextrin	29.8560
Casein - Vitamin Tested	18.9560
Powdered Cellulose	4.7390
Maltodextrin	3.3170
Soybean Oil	2.3700
Lard	1.8960
Potassium Citrate, Tribasic Monohydrate	1.5640
Calcium Phosphate	1.2320
DIO Mineral Mix	0.9480
AIN-76A Vitamin Mix	0.9480
Calcium Carbonate	0.5210
L-Cystine	0.2840
Choline Bitartrate	0.1900
FD&C Yellow No. 5	0.0500

**See page 2 for Expanded Ingredient Listings*

Part of the TestDiet® "Blue-Red-Yellow" DIO Series ("van Heek" Series)

DIO Rodent Purified Diet w/60% Energy From Fat - Blue	
1/2" Pellet - Catalog # 58126 (58Y1)	
1/2" Pellet, Irradiated - Catalog # 56833 (58Y1)	
Meal - Catalog # 1810473 (58Y1)	

DIO Rodent Purified Diet w/45% Energy From Fat - Red	
1/2" Pellet - Catalog # 58125 (58V8)	
1/2" Pellet, Irradiated - Catalog # 55629 (58V8)	
Meal - Catalog # 1810729 (58V8)	
Meal, Irradiated - Catalog # 1810730 (58V8)	

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.

7/18/2024

NUTRITIONAL PROFILE ¹

Protein, %	24.8	Minerals	
Arginine, %	1.11	Calcium, %	0.86
Histidine, %	0.79	Phosphorus, %	0.61
Isoleucine, %	1.50	Potassium, %	0.85
Leucine, %	2.66	Magnesium, %	0.07
Lysine, %	2.32	Sodium, %	0.18
Methionine, %	0.88	Chloride, %	0.28
Cystine, %	0.59	Fluorine, ppm	1.3
Phenylalanine, %	1.47	Iron, ppm	69
Tyrosine, %	1.67	Zinc, ppm	51
Threonine, %	1.22	Manganese, ppm	83
Tryptophan, %	0.37	Copper, ppm	8.8
Valine, %	1.87	Cobalt, ppm	0.0
Alanine, %	0.85	Iodine, ppm	0.29
Aspartic Acid, %	2.07	Chromium (added), ppm	2.8
Glutamic Acid, %	6.41	Molybdenum, ppm	2.31
Glycine, %	0.54	Selenium, ppm	0.23
Proline, %	3.09		
Serine, %	1.67	Vitamins	
Taurine, %	0.00	Vitamin A, IU/g	5.7
		Vitamin D-3 (added), IU/g	1.4
Fat, %	6.6	Vitamin E, IU/kg	73.8
Cholesterol, ppm	27	Vitamin K, ppm	0.72
Linoleic Acid, %	2.09	Thiamin, ppm	6.7
Linolenic Acid, %	0.29	Riboflavin, ppm	8.5
Arachidonic Acid, %	0.01	Niacin, ppm	43
Omega-3 Fatty Acids, %	0.29	Pantothenic Acid, ppm	21
Total Saturated Fatty A	1.83	Folic Acid, ppm	2.8
Total Monounsaturated Fatty Acids, %	2.03	Pyridoxine, ppm	8.2
Polyunsaturated Fatty Acids, %	2.38	Biotin, ppm	0.3
		Vitamin B-12, mcg/kg	14
Fiber (max), %	7.1	Choline Chloride, ppm	1,421
Carbohydrates, %	51.3	Ascorbic Acid, ppm	0.0
Energy (kcal/g) ²	3.64		
From:	kcal	%	
Protein	0.993	27.3	
Fat (ether extract)	0.596	16.4	
Carbohydrates	2.052	56.4	

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 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.
DIO Mineral Mix	Sucrose, Sodium Chloride, Magnesium Sulfate, Magnesium Oxide, Ferric Citrate, Manganese Carbonate, Zinc Carbonate, Chromium Potassium Sulfate, Cupric Carbonate, Ammonium Molybdate, Sodium Fluoride, Sodium Selenite, Potassium Iodate