

DESCRIPTION

Diet Induced Obesity Rodent Purified Diet with 60% Energy From Fat - Dyed Blue 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 this formula. Originally manufactured as "D12492".

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	0058126
1/2" Pellet, Irradiated	1816507-286
1/2" Pellet, Irradiated, Stocked †	0056833
Meal	1810473
Meal, Irradiated	1810742

*Other Forms Available On Request

INGREDIENTS (%)

Lard	31.6600
Casein - Vitamin Tested	25.8450
Maltodextrin	16.1530
Sucrose	8.8470
Powdered Cellulose	6.4610
Soybean Oil	3.2310
Potassium Citrate, Tribasic Monohydrate	2.1320
Calcium Phosphate	1.6800
DIO Mineral Mix	1.2920
AIN-76A Vitamin Mix	1.2920
Calcium Carbonate	0.7110
L-Cystine	0.3880
Choline Bitartrate	0.2580
FD&C Blue No. 1	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/10% Energy From Fat - Yellow

1/2" Pellet - Catalog # 58124 (58Y2)

Meal - Catalog # 56834 (58Y2)

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, %	22.6	Minerals	
Arginine, %	1.01	Calcium, %	0.79
Histidine, %	0.72	Phosphorus, %	0.56
Isoleucine, %	1.37	Potassium, %	0.77
Leucine, %	2.43	Magnesium, %	0.07
Lysine, %	2.12	Sodium, %	0.15
Methionine, %	0.80	Chloride, %	0.24
Cystine, %	0.54	Fluorine, ppm	1.2
Phenylalanine, %	1.34	Iron, ppm	62
Tyrosine, %	1.52	Zinc, ppm	46
Threonine, %	1.11	Manganese, ppm	76
Tryptophan, %	0.34	Copper, ppm	8.1
Valine, %	1.71	Cobalt, ppm	0.0
Alanine, %	0.78	Iodine, ppm	0.27
Aspartic Acid, %	1.89	Chromium (added), ppm	2.6
Glutamic Acid, %	5.84	Molybdenum, ppm	2.11
Glycine, %	0.49	Selenium, ppm	0.21
Proline, %	2.82		
Serine, %	1.52	Vitamins	
Taurine, %	0.00	Vitamin A, IU/g	5.2
		Vitamin D-3 (added), IU/g	1.3
Fat, %	35.1	Vitamin E, IU/kg	67.2
Cholesterol, ppm	301	Vitamin K, ppm	0.65
Linoleic Acid, %	4.70	Thiamin, ppm	6.1
Linolenic Acid, %	0.39	Riboflavin, ppm	7.8
Arachidonic Acid, %	0.06	Niacin, ppm	39
Omega-3 Fatty Acids, %	0.39	Pantothenic Acid, ppm	19
Total Saturated Fatty A	13.79	Folic Acid, ppm	2.6
Total Monounsaturated Fatty Acids, %	14.09	Pyridoxine, ppm	7.4
Polyunsaturated Fatty Acids, %	5.15	Biotin, ppm	0.3
		Vitamin B-12, mcg/kg	12
Fiber (max), %	6.5	Choline Chloride, ppm	1,290
Carbohydrates, %	25.9	Ascorbic Acid, ppm	0.0
Energy (kcal/g) ²	5.10		
From:	kcal	%	
Protein	0.906	17.8	
Fat (ether extract)	3.160	61.9	
Carbohydrates	1.036	20.3	

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.

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