

DESCRIPTION

Diet Induced Obesity (DIO) Rodent Diet with 45% Energy From Fat, Dyed Red is a Purified Diet 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 "D12451".
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	58125
1/2" Pellet, Irradiated	55629
1/2" Pellet, Irradiated, 2 kg HS	1818855-296
Meal	1810729
Meal, Irradiated	1810730

. *Other Forms Available On Request

INGREDIENTS (%)

Casein - Vitamin Tested	23.3060
Lard	20.6840
Sucrose	20.0920
Maltodextrin	11.6530
Dextrin	8.4830
Powdered Cellulose	5.8270
Soybean Oil	2.9130
Potassium Citrate, Tribasic Monohydrate	1.9230
Calcium Phosphate	1.5150
DIO Mineral Mix	1.1650
AIN-76A Vitamin Mix	1.1650
Calcium Carbonate	0.6410
L-Cystine	0.3500
Choline Bitartrate	0.2330

*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 - Blue
1/2" Pellet - Catalog # 58126 (58Y1)
1/2" Pellet, Irradiated - Catalog # 56833 (58Y1)
Meal - Catalog # 1810473 (58Y1)

DIO Rodent Purified Diet w/10% Energy From Fat - Yellow
1/2" Pellet - Catalog # 58124 (58Y2)
Meal - Catalog # 56834 (58Y2)

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, %	20.4	Minerals	
Arginine, %	0.91	Calcium, %	0.72
Histidine, %	0.65	Phosphorus, %	0.50
Isoleucine, %	1.24	Potassium, %	0.70
Leucine, %	2.19	Magnesium, %	0.06
Lysine, %	1.91	Sodium, %	0.14
Methionine, %	0.72	Chloride, %	0.23
Cystine, %	0.49	Fluorine, ppm	1.1
Phenylalanine, %	1.21	Iron, ppm	57
Tyrosine, %	1.38	Zinc, ppm	42
Threonine, %	1.00	Manganese, ppm	68
Tryptophan, %	0.30	Copper, ppm	7.3
Valine, %	1.54	Cobalt, ppm	0.0
Alanine, %	0.70	Iodine, ppm	0.24
Aspartic Acid, %	1.70	Chromium (added), ppm	2.3
Glutamic Acid, %	5.27	Molybdenum, ppm	1.90
Glycine, %	0.44	Selenium, ppm	0.19
Proline, %	2.54		
Serine, %	1.38	Vitamins	
Taurine, %	0.00	Vitamin A, IU/g	4.7
		Vitamin D-3 (added), IU/g	1.2
Fat, %	23.8	Vitamin E, IU/kg	60.6
Cholesterol, ppm	197	Vitamin K, ppm	0.59
Linoleic Acid, %	3.48	Thiamin, ppm	5.5
Linolenic Acid, %	0.32	Riboflavin, ppm	7.0
Arachidonic Acid, %	0.04	Niacin, ppm	35
Omega-3 Fatty Acids, %	0.32	Pantothenic Acid, ppm	17
Total Saturated Fatty A	9.16	Folic Acid, ppm	2.3
Total Monounsaturated Fatty Acids, %	9.39	Pyridoxine, ppm	6.7
Polyunsaturated Fatty Acids, %	3.83	Biotin, ppm	0.2
		Vitamin B-12, mcg/kg	11
Fiber (max), %	5.8	Choline Chloride, ppm	1,165
Carbohydrates, %	41.2	Ascorbic Acid, ppm	0.0
Energy (kcal/g) ²	4.61		
From:	kcal	%	
Protein	0.817	17.7	
Fat (ether extract)	2.142	46.5	
Carbohydrates	1.648	35.8	

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