

Aquatic Mix Diet

5K93*

DESCRIPTION

Advanced Protocol® Aquatic Mix is designed for the feeding of laboratory aquarium fish. This diet is a complete life cycle diet formulated using managed formulation, delivering Constant Nutrition®. This is paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies. It is shipped as a powder made from fish products, vitamins and trace minerals which is designed to be made into a gel when mixed with water prior to feeding.

Features and Benefits

- **Managed Formulation delivers Constant Nutrition®**
- Soft-moist texture of gel is more palatable to fish which are difficult to feed
- Contains stabilized vitamin C for longer shelf life
- Contains all vitamins and trace minerals known to be required by fish, vitamin supplementation not necessary
- Contains pigments which will help pigment fish

Product Forms Available

- Powder

GUARANTEED ANALYSIS

Crude protein not less than	.50.0%
Crude fat not less than	.14.0%
Crude fiber not more than	.1.5%
Ash not more than	.20.0%

INGREDIENTS

Menhaden fish meal, salmon meal, fish oil (menhaden), gelatin, spirulina algae, betaine, l-ascorbyl-2-polyphosphate, xanthan gum, choline bitartrate, pyridoxine hydrochloride, biotin, tagetes extract, taurine, calcium pantothenate, cholecalciferol, inositol, canthaxanthin, thiamine mononitrate, menadione sodium bisulfite complex, folic acid, niacin, d-alpha tocopheryl acetate (natural source of vitamin E), vitamin A acetate, riboflavin, carophyll pink, zinc oxide, vitamin B₁₂ supplement, beta-carotene, mixed tocopherols, manganous oxide, calcium carbonate, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate.

FEEDING DIRECTIONS

Mix with an appropriate amount of hot water (over 200° F). Blend with a spoon for one minute and pour into a flat pan to cool. Chill overnight in a refrigerator. Cut the gel by hand or with a food processor to obtain an appropriate size. Feed to fish. The firmness of the gel is affected by the amount of water used. A good starting point is to use a 50:50 ratio by weight of dry diet and water.

For information regarding shelf life please visit www.labdiet.com.

CHEMICAL COMPOSITION¹

Nutrients²		Sulfur, %	.0.72
Protein, %	.58.4	Sodium, %	.0.56
Arginine, %	.3.32	Chloride, %	.0.80
Cystine, %	.0.42	Fluorine, ppm	.78
Glycine, %	.4.81	Iron, ppm	.710
Histidine, %	.1.22	Zinc, ppm	.230
Isoleucine, %	.2.08	Manganese, ppm	.120
Leucine, %	.3.65	Copper, ppm	.14
Lysine, %	.3.67	Cobalt, ppm	.3.0
Methionine, %	.1.29	Iodine, ppm	.2.2
Phenylalanine, %	.2.01	Chromium, ppm	.1.7
Tyrosine, %	.1.52	Selenium, ppm	.1.5
Threonine, %	.2.10		
Tryptophan, %	.0.60	Vitamins	
Valine, %	.2.56	Carotene, ppm	.41
Serine, %	.2.27	Vitamin K (as menadione), ppm	.5.4
Aspartic Acid, %	.5.26	Thiamin Hydrochloride, ppm	.37
Glutamic Acid, %	.7.26	Riboflavin, ppm	.32
Alanine, %	.3.48	Niacin, ppm	.340
Proline, %	.2.59	Pantothenic Acid, ppm	.100
Taurine, %	.0.33	Choline Chloride, ppm	.2860
Fat (ether extract), %	.17.5	Folic Acid, ppm	.6.2
Fat (acid hydrolysis), %	.17.5	Pyridoxine, ppm	.26
Cholesterol, ppm	.2150	Biotin, ppm	.1.2
Linoleic Acid, %	.0.51	B ₁₂ , mcg/kg	.180
Linolenic Acid, %	.0.32	Vitamin A, IU/gm	.15
Arachidonic Acid, %	.0.93	Vitamin D ₃ (added), IU/gm	.3.7
Omega-3 Fatty Acids, %	.12.0	Vitamin E, IU/kg	.160
Total Saturated Fatty Acids, %	.5.92	Ascorbic Acid, mg/gm	.1.5
Total Monounsaturated			
Fatty Acids, %	.3.77		
Fiber (Crude), %	.0.80	Calories provided by:	
Neutral Detergent Fiber ³ , %	.0.1	Protein, %	.60.470
Acid Detergent Fiber ⁴ , %	.0.8	Fat (ether extract), %	.40.678
Nitrogen-Free Extract		Carbohydrates, %	.1.969
(by difference), %	.1.9	*Product Code	
Starch, %	.0.00	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.	
Glucose, %	.0.00	2. Nutrients expressed as percent of ration except where otherwise indicated. Moisture content is assumed to be 10.0% for the purpose of calculations.	
Fructose, %	.0.00	3. NDF = approximately cellulose, hemi-cellulose and lignin.	
Sucrose, %	.0.00	4. ADF = approximately cellulose and lignin.	
Lactose, %	.0.00	5. Physiological Fuel Value (kcal/gm) = Sum of decimal fractions of protein, fat and carbohydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.	
Total Digestible Nutrients, %	.74.6		
Gross Energy, kcal/gm	.5.62		
Physiological Fuel Value⁵, kcal/gm	.3.86		
Metabolizable Energy, kcal/gm	.2.00		
Minerals			
Ash, %	.14.3		
Calcium, %	.3.78		
Phosphorus, %	.2.38		
Phosphorus (non-phytate), %	.1.97		
Potassium, %	.0.58		
Magnesium, %	.0.18		