

Mazuri® Shark/Ray Meal

5D2Q

(Available at our TestDiet Unit (765)966-1885/info@testdiet.com)

Description

Mazuri® Shark/Ray Meal Diet 5D2Q is designed to be used for tube feeding elasmobranchs due to inappetance and/or illness. It is shipped as a powder made from fish products, vitamins and trace minerals which is designed to be made into a tube feeding blend prior to feeding.

Features and Benefits

- **No gel formula** - Promotes hydration of young or sick animals.
- **Contains stabilized vitamin C** - Longer shelf life and water stability.
- **Contains all vitamins and trace minerals known to be required by elasmobranchs.**
- **Contains carotenoids from marine sources for antioxidant potential and pigmenting properties.**
- **Contains added iodine** - To meet the needs of sharks and rays.

Product Form

- Powder

Catalog #1812940

Guaranteed Analysis

Crude protein not less than	50.0%
Crude fat not less than	14.0%
Crude fiber not more than	1.5%
Calcium (Ca) not less than	3.30%
Calcium (Ca) not more than	4.30%
Phosphorus (P) not less than	1.80%
Sodium (Na) not more than	0.70%

Ingredients

Fish Meal, fish oil, gelatin, spirulina algae meal, betain, L-ascorbyl-2 polyphosphate (source of vitamin C), potassium iodate, xanthan gum, choline bitartrate, pyridoxine hydrochloride, thiamin mononitrate, menadione dimethylpyrimidinol bisulfite (source of vitamin K), taurine, biotin, tagetes extract, calcium pantothenate, canthaxanthin, inositol, cholecalciferol (vitamin D₃), d-alpha tocopheryl acetate (natural source vitamin E), nicotinic acid, folic acid, beta carotene, vitamin A acetate, riboflavin, astaxanthin, ethoxyquin (a preservative), carophyll pink, vitamin B₁₂ supplement, zinc oxide, manganous oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, calcium carbonate, cobalt carbonate.

Feeding Directions

Mix with an appropriate amount of hot water (over 200° F) to create a tube feeding blend that has the desired consistency. This product will not gel with hot water addition. Use blend within 24 hours of mixing. Feed to fish.

Storage Directions

The dry powder is shelf-stable for at least six months. Once this product is mixed with water to form a blend, it should be handled like raw fish. It can be kept in the refrigerator for up to three days, if kept clean and sealed (wrapped) as well as possible. Similarly, it may be frozen like raw fish. This is the most common method used. If stored in air-tight containers, it will last at least six months in the freezer. We recommend making batches that will last about a month, due to repeated entry into the container allowing the frozen blend to be exposed to oxygen.

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Approximate Nutrient Composition

NUTRIENTS

Protein, %	54.9
Arginine, %.....	3.07
Cystine, %.....	0.59
Glycine, %.....	3.52
Histidine, %.....	1.36
Isoleucine, %.....	3.73
Leucine, %.....	4.48
Lysine, %.....	4.25
Methionine, %.....	1.64
Phenylalanine, %.....	2.47
Tyrosine, %.....	1.49
Threonine, %.....	2.48
Tryptophan, %.....	0.64
Valine, %.....	3.21
Taurine, %.....	0.35
Fat, %	16.5
Omega-3 Fatty Acids, %.....	4.18
Omega-6 Fatty Acids, %.....	0.46
Fiber (Crude), %	0.80
Digestible Energy*, kcal/kg.....	4517

MINERALS

Ash, %	15.7
Calcium, %.....	4.09
Phosphorus, %.....	2.58
Phosphorus (non-phytate), %.....	2.14
Potassium, %.....	0.71
Magnesium, %.....	0.19
Sulfur, %.....	0.78
Sodium, %.....	0.59
Chlorine, %.....	0.86
Iron, ppm.....	760
Zinc, ppm.....	280
Manganese, ppm.....	110
Copper, ppm.....	15
Cobalt, ppm.....	3.2
Iodine, ppm.....	2500
Chromium, ppm.....	1.9
Selenium, ppm.....	1.54

VITAMINS

Thiamin, ppm.....	250
Riboflavin, ppm.....	32
Niacin, ppm.....	340
Pantothenic Acid, ppm.....	100
Choline, ppm.....	3,000
Folic Acid, ppm.....	6.3
Pyridoxine, ppm.....	26
Biotin, ppm.....	1.2
Vitamin B ₁₂ , mcg/kg.....	200
Ascorbic Acid, ppm.....	1500
Vitamin A, IU/kg.....	14500
Vitamin D ₃ (added), IU/kg.....	3700
Vitamin E, IU/kg.....	250
Vitamin K (as menadione), ppm.....	5.5

* Digestible energy determined using 4 kcal/g carbohydrate, 5 kcal/g protein and 9 kcal/g fat.

Quality Controlled by PMI Nutrition International, a subsidiary of America's oldest and largest animal nutrition company.

Nutrient composition is based on the latest ingredient analysis information. Since nutrient composition of natural ingredients varies, analyses will vary accordingly.