

Mazuri® Shark/Ray Gel

5C8X

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

Description

Mazuri® Shark/Ray Gel Diet 5C8X is designed for the feeding of sharks and rays. It is shipped as a powder made from fish products, vitamins and trace minerals which is designed to be made into a gel prior to feeding.

Features and Benefits

- **Soft-moist texture of gel** - More palatable to elasmobranchs which are difficult to feed.
- **Contains stabilized vitamin C** - Longer shelf life and water stability.
- **Contains all vitamins and trace minerals known to be required by elasmobranchs.**
- **Contains carotenoids for antioxidant potential and pigmenting properties.**
- **Contains added iodine** - To meet the needs of sharks and rays.

Product Form

- Powder

Catalog #1812226

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 (vitamin C), potassium iodate, xanthan gum, choline bitartrate, pyridoxine hydrochloride, thiamin mononitrate, menadione dimethylpyrimidinol bisulfite (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, vitamin E prell, 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). 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 ratio of 50:50 by weight of dry diet and water.

Storage Directions

The dry powder is shelf-stable for at least six months. Once this product is mixed with water to form a gel, 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). Similarly, it may be frozen like raw fish, and will last up to 6 months in the freezer. We recommend making batches that will last about a month, due to repeated entry into the container allowing the frozen gel to be exposed to oxygen.

Average Feed Weights (note that average feed weights may vary due to method of measuring)

Measurement	g of Diet
1 Tbsp.....	9.31
¼ cup	35.0

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Approximate Nutrient Composition

NUTRIENTS	Dry	Recon-	MINERALS	Dry	Recon-
	Powder	stituted ¹		Powder	stituted ¹
Protein, %	56.2	28.3	Ash, %	14.4	7.2
Arginine, %.....	3.3	1.6	Calcium, %	3.8	1.8
Cystine, %.....	0.60	0.30	Phosphorus, %	2.3	1.1
Glycine, %.....	4.8	2.4	Phosphorus (non-phytate), %.....	1.9	0.97
Histidine, %	1.3	0.65	Potassium, %.....	0.65	0.32
Isoleucine, %.....	3.5	1.7	Magnesium, %.....	0.17	0.08
Leucine, %	4.3	2.1	Sulfur, %	0.71	0.35
Lysine, %.....	4.1	2.0	Sodium, %	0.55	0.27
Methionine, %	1.5	0.77	Chlorine, %	0.79	0.39
Phenylalanine, %	2.3	1.1	Iron, ppm	700	350
Tyrosine, %	1.3	0.69	Zinc, ppm.....	260	130
Threonine, %.....	2.4	1.2	Manganese, ppm.....	105	52
Tryptophan, %.....	0.59	0.29	Copper, ppm.....	14	7
Valine, %.....	3.1	1.5	Cobalt, ppm	2.9	1.4
Taurine, %.....	0.33	0.16	Iodine, ppm.....	2500	1250
Fat, %	15.7	7.8	Chromium, ppm.....	1.7	0.85
Omega-3 Fatty Acids, %.....	3.9	1.9	Selenium, ppm.....	1.40	0.70
Omega-6 Fatty Acids, %.....	0.43	0.21	VITAMINS		
Fiber (Crude), %	0.94	0.47	Thiamin, ppm.....	245	122
Digestible Energy*, kcal/kg	4500	2250	Riboflavin, ppm.....	31	15
			Niacin, ppm.....	350	175
			Pantothenic Acid, ppm	100	50
			Choline, ppm	2,850	1425
			Folic Acid, ppm	6.3	3.1
			Pyridoxine, ppm.....	26	13
			Biotin, ppm.....	1.1	0.57
			Vitamin B ₁₂ , mcg/kg.....	180	90
			Ascorbic Acid, ppm.....	1500	750
			Vitamin A, IU/kg.....	14500	7500
			Vitamin D ₃ (added), IU/kg	3700	1850
			Vitamin E, IU/kg.....	245	122
			Vitamin K (as menadione), ppm...	5.3	2.6

1. Reconstituted level is 50% water to 50% product

* Digestible Energy is calculated using 4 kcal/g carbohydrate, 9 kcal/g fat, 5 kcal/g protein.

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.