

Mazuri® Shark/Ray Meal Diet

(Available through a Mazuri retailer)

Formula Code – 5D2Q

Description

Mazuri® Shark/Ray Meal Diet is designed to be used as deemed appropriate by a veterinarian for feeding elasmobranchs via gavage during situations of inappetence. 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

Catalog #

Meal.

- Minimum run of 5 kg

1815529

Guaranteed Analysis (dry powder)

Crude protein not less than	51%	Calcium not less than	3.5
Crude fat not less than	15%	Calcium not more than	4.5
Crude fiber not more than	2.0%	Phosphorus not less than	2.0%
Ash not more than	16%	Sodium not more than	0.80%

Ingredients

Fish meal (menhaden), salmon meal, fish oil (menhaden), Betaine (a chemo attractant for fish), potassium iodate, spirulina algae (color), choline bitartrate, l-ascorbyl-2 polyphosphate (stabilized source of vitamin C), taurine, tagetes (Aztec marigold) extract (color), inositol, niacin, thiamin mononitrate, zinc oxide, manganous oxide, calcium carbonate, d-alpha tocopheryl acetate (natural source vitamin E), ferrous carbonate, ethoxyquin (preservative), calcium pantothenate, canthaxanthin (color), copper sulfate, dl-alpha tocopheryl acetate (source vitamin E), menadione sodium bisulfite complex (vitamin K), riboflavin, pyridoxine hydrochloride, astaxanthin (color), beta-carotene, zinc sulfate, folic acid, vitamin A acetate, calcium iodate, biotin, cobalt carbonate, cholecalciferol (vitamin D₃), vitamin B₁₂ supplement.

Feeding and Mixing Directions

- Mazuri® Shark/Ray Meal Diet is designed to be an essential part of a total feeding system.
- Feed intake will vary based on age, body size and reproductive status.
- Prepared Mazuri® Shark/Ray Meal Diet should be fed out as directed by your veterinarian. Never feed dry powder without first combining with water.
 1. Mix Mazuri® Shark/Ray Meal Diet with boiling (>180°F) water. Adjust mixture to meet desired texture and need. This product will not gel.
 2. Mix thoroughly with a spoon, fork or whisk until consistency is uniform, and administer as directed by your veterinarian.
- For general feeding needs, use Mazuri® Shark/Ray Gel Diet or offer fish with appropriate supplementation.

Mazuri® Shark/Ray Meal Diet

Approximate Nutrient Composition (as is basis)¹

NUTRIENTS

Protein, %	59
Arginine, %.....	3.0
Cystine, %.....	0.44
Glycine, %.....	3.4
Histidine, %.....	1.2
Isoleucine, %.....	2.1
Leucine, %.....	3.7
Lysine, %.....	3.6
Methionine, %.....	1.3
Phenylalanine, %.....	2.0
Tyrosine, %.....	1.6
Threonine, %.....	2.1
Tryptophan, %.....	0.64
Valine, %.....	2.4
Taurine, %.....	0.35

Fat (Ether extract), %.....**18**

Linoleic acid, %.....	0.55
Linolenic acid, %.....	0.33
Arachidonic acid, %.....	1.0
Omega-3 Fatty Acids, %.....	13
Omega-6 Fatty Acids, %.....	1.6

Fiber (Crude), %.....**1.0**

Digestible Energy²,

kcal/kg.....	3,910
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MINERALS

Ash, %	15
Calcium, %.....	3.6
Phosphorus, %.....	2.4
Phosphorus (non-phytate), %.....	2.1
Potassium, %.....	0.70
Magnesium, %.....	0.19
Sodium, %.....	0.59
Chloride, %.....	0.86
Fluoride, ppm.....	85
Iron, ppm.....	495
Zinc, ppm.....	270
Manganese, ppm.....	100
Copper, ppm.....	20
Iodine, ppm.....	2,500
Selenium (added), ppm.....	0.06

VITAMINS

Thiamin, ppm.....	215
Riboflavin, ppm.....	30
Niacin, ppm.....	345
Pantothenic acid, ppm.....	98
Choline chloride, ppm.....	2,845
Folic acid, ppm.....	5.8
Pyridoxine, ppm.....	24
Biotin, ppm.....	1.1
Ascorbic acid, ppm.....	1,425
Vitamin B ₁₂ , µg/kg.....	185
Vitamin A (added), IU/kg.....	14,230
Vitamin D ₃ (added), IU/kg.....	3,560
Vitamin E, IU/kg.....	235
Vitamin K (as menadione), ppm.....	5.2
Beta-carotene, ppm.....	39

Storage Conditions

Mazuri® Shark/Ray Meal Diet has a 1 year shelf life in the meal form when stored in a dry environment. For best results, store contents of open bag in container with sealing lid. Store in a cool (75°F or colder), dry (approximately 50% RH) location. The mixed product should be used immediately after mixing and if refrigerated must be discarded after 2 hours of storage. Once this product is mixed with water, it should be handled like raw fish.

¹ Based on the latest ingredient analysis information. Since nutrient composition of ingredients varies, analyses will vary accordingly.

² Calculated using 4 kcal/g carbohydrate, 9 kcal/g fat, 4 kcal/g protein.

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