

Mazuri® Shark/Ray Gel Diet

(Available at www.mazuri.com or through a Mazuri® retailer)

Formula Code – 5C8X

Description

Mazuri® Shark/Ray Gel Diet 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.
- **Multiple sustainable fish meal sources used.**

Product Form

Dry powder.

- 1 kg per container

Catalog

1812226



Guaranteed Analysis (dry powder)

Crude protein not less than	55.0%	Calcium not less than	3.0%
Crude fat not less than	15.0%	Calcium not more than	4.0%
Crude fiber not more than	2.0%	Phosphorus not less than	2.0%
Ash not more than	16.0%	Sodium not more than	0.75%

Ingredients

Menhaden meal, salmon meal, fish oil (menhaden), gelatin, spirulina algae meal (color), betaine (hydrochloride or anhydrous), calcium iodate, xanthan gum, choline bitartrate, l-ascorbyl-2-polyphosphate (stabilized vitamin C), taurine, tagetes (Aztec marigold) extract (color), inositol, thiamine mononitrate, nicotinic acid, calcium pantothenate, dl-alpha tocopheryl acetate (form of vitamin E), d-alpha tocopheryl acetate (form of vitamin E), zinc oxide, canthaxanthin (color), menadione sodium bisulfite complex (source of vitamin K), preserved with mixed tocopherols (form of vitamin E), rosemary extract, riboflavin supplement, pyridoxine hydrochloride, citric acid (a preservative), astaxanthin (color), beta carotene, folic acid, vitamin A acetate, manganous oxide, ferrous carbonate, copper sulfate, zinc sulfate, biotin, calcium carbonate, cobalt carbonate, cholecalciferol (form of vitamin D₃), vitamin B₁₂ supplement.

Feeding and Mixing Directions

- Mazuri® Shark/Ray Gel 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 Gel Diet can be fed at a rate of up to 50% of the animals' diet to provide optimal nutrition. Never feed dry powder without first combining with water.
 1. Mix, by weight, 60% boiling (or at minimum 180°F) water to 40% Mazuri® Shark/Ray Gel Diet. Adjust mixture to meet desired texture and need.
 - a. Do not microwave mixed product.
 2. Mix thoroughly with a spoon, fork or whisk for one minute, then pour into a shallow pan and allow to cool.
 3. Refrigerate until firm. Cut into pieces appropriately sized for the animals being fed.
 4. Feed to shark and rays.

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Approximate Nutrient Composition (as is basis)¹

NUTRIENTS

Protein, %.....	55
Arginine, %.....	3.3
Cystine, %.....	0.41
Glycine, %.....	4.8
Histidine, %.....	1.2
Isoleucine, %.....	2.0
Leucine, %.....	3.6
Lysine, %.....	3.6
Methionine, %.....	1.3
Phenylalanine, %.....	2.0
Tyrosine, %.....	1.5
Threonine, %.....	2.0
Tryptophan, %.....	0.59
Valine, %.....	2.5
Taurine, %.....	0.33

Fat (Ether extract), %.....15

Linoleic acid, %.....	0.50
Linolenic acid, %.....	0.31
Arachadonic acid, %.....	0.90
Omega-3 Fatty Acids, %.....	11
Omega-6 Fatty Acids, %.....	1.4

Fiber (Crude), %.....2.0

Digestible Energy ² , kcal/kg.....	3,940
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MINERALS

Ash, %.....	14
Calcium, %.....	3.7
Phosphorus, %.....	2.4
Phosphorus (non-phytate), %.....	1.9
Potassium, %.....	0.65
Magnesium, %.....	0.18
Sodium, %.....	0.55
Chloride, %.....	0.79
Fluoride, ppm.....	77
Iron, ppm.....	700
Zinc, ppm.....	230
Manganese, ppm.....	105
Copper, ppm.....	14
Iodine, ppm.....	2,500
Selenium (added), ppm.....	0.06

VITAMINS

Thiamin, ppm.....	375
Riboflavin, ppm.....	30
Niacin, ppm.....	340
Pantothenic acid, ppm.....	98
Choline chloride, ppm.....	2,700
Folic acid, ppm.....	5.8
Pyridoxine, ppm.....	24
Biotin, ppm.....	1.1
Ascorbic acid, ppm.....	1,425
Vitamin B ₁₂ , µg/kg.....	80
Vitamin A (added), IU/kg.....	14,230
Vitamin D ₃ , IU/kg.....	3,560
Vitamin E, IU/kg.....	245
Vitamin K (as menadione), ppm.....	5.1

Storage Conditions

Mazuri® Shark/Ray Gel has a 1 year shelf life in the dry powder 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 stored under refrigeration for no longer than 7 days. The mixed product can be stored frozen for up to 1 month. It is recommended that frozen batches be individually sealed in amount of no more than 1 weeks usage as repeated entry into the container exposes gel to oxygen. Once this product is mixed with water to form a gel, 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 adjusted Atwaters factors - 4 kcal/g carbohydrate, 9 kcal/g fat, 4 kcal/g protein.

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