

# Mazuri® Fish Analog 50/10 Gel Diet

(Available at [www.mazuri.com](http://www.mazuri.com) or through a Mazuri® retailer)

**Formula Code – 5TJY**

## Description

Mazuri® Fish Analog 50/10 Gel Diet is designed as a convenient and nutritionally complete alternative to feeding frozen fish to marine mammals, birds and other aquatic species, and has proven to be palatable in dolphins, seals, sea lions, penguins, beluga whales and other marine species. A convenient and consistent option when fish supplies are not ideal, and an excellent vehicle for delivery of prescribed medications. Mazuri® Fish Analog 50/10 Gel Diet is designed to provide a replacement for low fat fish, or an option to reduce dietary fat levels.

## Features and Benefits

- **Multiple sustainable fish meal sources used.**
- **Highly palatable** - Accepted by numerous piscivores; penguins, seals, sea lions, etc.
- **Contains all vitamins and trace minerals known to be required by fish.**
- **Nutritionally complete** - No supplementation necessary.
- **Contains stabilized vitamin C** - Longer shelf life.
- **Meal/gel form allows for inclusion of prescribed medication.**
- **Reduces the need for freezer space.**

## Product Form

Dry powder.

- Available in 1 kg units

## Catalog #

1810839



## Guaranteed Analysis (dry powder)

|                                   |       |                                |      |
|-----------------------------------|-------|--------------------------------|------|
| Crude protein not less than ..... | 50.0% | Calcium not less than .....    | 4.0% |
| Crude fat not less than .....     | 10.0% | Calcium not more than .....    | 5.0% |
| Crude fiber not more than .....   | 6.0%  | Phosphorus not less than ..... | 1.5% |
| Moisture not more than .....      | 10.0% | Sodium not more than .....     | 2.0% |
| Ash not more than .....           | 20.0% |                                |      |

## Ingredients

Menhaden meal, salmon meal, gelatin, fish oil (menhaden), dried beet pulp, calcium carbonate, salt, powdered cellulose, lecithin, xanthan gum, yeast cultures, spirulina algae meal (color), choline chloride, taurine, nicotinic acid, calcium pantothenate, d-alpha tocopheryl acetate (form of vitamin E), l-ascorbyl-2-polyphosphate (stabilized vitamin C), zinc oxide, ethoxyquin (a preservative), dl-alpha tocopheryl acetate (form of vitamin E), menadione sodium bisulfite complex (source of vitamin K), thiamine mononitrate, riboflavin supplement, pyridoxine hydrochloride, calcium iodate, dl-methionine, folic acid, vitamin A acetate, manganous oxide, cobalt carbonate, ferrous carbonate, copper sulfate, zinc sulfate, cholecalciferol (form of vitamin D<sub>3</sub>), biotin, vitamin B<sub>12</sub> supplement.

## Feeding and Mixing Directions

- Mazuri® Fish Analog 50/10 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® Fish Analog 50/10 Gel Diet can be fed at a rate of 25 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® Fish Analog 50/10 Gel Diet. Adjust mixture to meet desired texture and need.
  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.

# Mazuri® Fish Analog 50/10 Gel Diet

## Approximate Nutrient Composition (as is basis)<sup>1</sup>

### NUTRIENTS

|                       |      |
|-----------------------|------|
| Protein, %.....       | 50   |
| Arginine, %.....      | 3.1  |
| Cystine, %.....       | 0.43 |
| Glycine, %.....       | 5.7  |
| Histidine, %.....     | 1.0  |
| Isoleucine, %.....    | 1.6  |
| Leucine, %.....       | 3.0  |
| Lysine, %.....        | 3.1  |
| Methionine, %.....    | 1.0  |
| Phenylalanine, %..... | 1.6  |
| Tyrosine, %.....      | 1.1  |
| Threonine, %.....     | 1.8  |
| Tryptophan, %.....    | 0.44 |
| Valine, %.....        | 2.2  |
| Taurine, %.....       | 0.34 |

|                             |      |
|-----------------------------|------|
| Fat (Ether extract), %..... | 10   |
| Linoleic acid, %.....       | 0.74 |
| Linolenic acid, %.....      | 0.31 |
| Arachidonic acid, %.....    | 0.77 |
| Omega-3 Fatty Acids, %..... | 9.5  |
| Omega-6 Fatty Acids, %..... | 1.5  |

|                       |     |
|-----------------------|-----|
| Fiber (Crude), %..... | 6.0 |
|-----------------------|-----|

|  |       |
|--|-------|
| Digestible Energy <sup>2</sup> ,<br>kcal/kg..... | 3,425 |
|--|-------|

### MINERALS

|                                  |      |
|----------------------------------|------|
| Ash, %.....                      | 17   |
| Calcium, %.....                  | 4.4  |
| Phosphorus, %.....               | 1.9  |
| Phosphorus (non-phytate), %..... | 1.7  |
| Potassium, %.....                | 0.63 |
| Magnesium, %.....                | 0.16 |
| Sodium, %.....                   | 1.6  |
| Chloride, %.....                 | 2.5  |
| Fluoride, ppm.....               | 65   |
| Iron, ppm.....                   | 415  |
| Zinc, ppm.....                   | 245  |
| Manganese, ppm.....              | 110  |
| Copper, ppm.....                 | 15   |
| Iodine, ppm.....                 | 18   |
| Selenium (added), ppm.....       | 0.0  |

### VITAMINS

|                                      |        |
|--------------------------------------|--------|
| Thiamin, ppm.....                    | 31     |
| Riboflavin, ppm.....                 | 34     |
| Niacin, ppm.....                     | 225    |
| Pantothenic acid, ppm.....           | 97     |
| Choline, ppm.....                    | 2,190  |
| Folic acid, ppm.....                 | 6.3    |
| Pyridoxine, ppm.....                 | 27     |
| Biotin, ppm.....                     | 0.18   |
| Ascorbic acid, ppm.....              | 140    |
| Vitamin B <sub>12</sub> , µg/kg..... | 135    |
| Vitamin A, IU/kg.....                | 48,240 |
| Vitamin D <sub>3</sub> , IU/kg.....  | 4,725  |
| Vitamin E, IU/kg.....                | 335    |
| Vitamin K (as menadione), ppm.....   | 5.4    |

### Storage Conditions

Mazuri® Gel Diets have a 1 year shelf life in the dry powder form when stored in a dry environment. For best results, tightly affix lid on canister after removal of desired dosage or 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 or frozen for up to 1 month. It is recommended that frozen batches be individually sealed in amount of 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.

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

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

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