

Mazuri® Ramphastid Hand Feeding Formula

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

Formula Code – 5TWY



Description

Mazuri® Ramphastid Hand Feeding Formula is a complete diet designed to promote optimal growth and development for Ramphastidae species (toucans and toucanets) from the day of hatch through weaning. Contains higher calcium, phosphorous and vitamin D as compared to Mazuri® Hand Feeding Formula (5TMX).

Features and Benefits

- **Low iron formula** - Ideal for iron-sensitive species.
- **As compared to standard Mazuri® psittacine hand feeding formulations:**
 - Higher protein and lower fat formulation.
 - Higher calcium, phosphorous and vitamins D and A.
- **Designed to promote hydration in young birds.**
- **Ideal levels of natural pigments and vitamins.**
- **Contains probiotic organisms** - Help initiate gastrointestinal microflora development.

Product Form

Dry powder.

- 2 kg canister
- 20 lb pail

Catalog

1815997-707
1815997-757



Guaranteed Analysis (Dry powder)

Crude protein not less than.....	25.0%	Crude fiber not more than.....	2.5%
Crude fat not less than.....	9.0%	Moisture not more than.....	12.0%
Total microorganisms not less than.....			180,000 CFU/g

(Lactobacillus acidophilus, Lactobacillus casei, Bifidobacterium thermophilum Enterococcus faecium)*
*Contains a source of live (viable) naturally occurring microorganisms

Ingredients

Dehulled Soybean Meal, Wheat Red Dog, Corn Starch, Sucrose, Soybean Oil, Soy Protein Concentrate, Dried Egg Product, Dicalcium Phosphate, Brewers Dried Yeast, Calcium Carbonate, Lecithin, Salt, DL-Methionine, Tagetes (Aztec Marigold) Extract (Color), Choline Chloride, Dried Lactobacillus acidophilus Fermentation Product, Dried Lactobacillus casei Fermentation Product, Dried Bifidobacterium thermophilum Fermentation Product, Dried Enterococcus faecium Fermentation Product, L-Ascorbyl-2-Polyphosphate (Vitamin C), Zinc Sulfate, Manganese Sulfate, Ferrous Sulfate, Nicotinic Acid, d-Alpha Tocopheryl Acetate (Vitamin E), Preserved with Mixed Tocopherols, Canthaxanthin (color), Calcium Iodate, Rosemary Extract, Calcium Pantothenate, Citric Acid (a Preservative), Vitamin A Acetate, Copper Sulfate, Riboflavin Supplement, Thiamine Mononitrate, Pyridoxine Hydrochloride, Menadione Sodium Bisulfite Complex (Vitamin K), Folic Acid, Beta Carotene, Biotin, Sodium Selenite, Vitamin D3 Supplement, Vitamin B12 Supplement.

Mixing & Feeding Directions

- Never feed dry powder without first combining with water. Use good sanitation practices and good quality water.
 1. To ensure complete hydration of the product, mix with cold water then add hot water to reach feeding temperatures: 100° to 106° F.
 - Under- and over-heating can cause impaired gastric motility and crop burns, respectively.
 2. Water:formula ratio may vary due to species. Measuring of powder by weight is recommended; Suggested mixing ratios include:
 - In the first weeks post-hatch, 80% water:20% formula (by weight).
 - As the bird grows, 70% water:30% formula (by weight).
 3. Mix thoroughly with a fork or whisk until fully mixed.
 - The product will turn pink upon mixing, which is normal and provides important pigments to the birds and ensures that mixing is adequate. Some pigments may not be fully absorbed, and pink feces may be observed.
 4. Refrigerate until feeding time, within 6 hours of mixing. Reheating is not advised
 5. Feed until the crop is full using the appropriate hand-feeding syringe. Do not overfeed.
 - Most chicks will consume 10% or more of their body weight per feeding, but daily monitoring of weights is the most accurate way to ensure proper growth and feeding rates.
 - Several weeks before weaning, provide chicks with the food items that it will be consuming, such as high quality extruded diet (e.g., Mazuri® Soft-bill Diet for Iron sensitive Birds), plus 10-20% (by weight) fruits, veggies and other food items.

Mazuri® Ramphastid Hand Feeding Formula

Approximate Nutrient Composition¹

NUTRIENTS

Protein, %	25
Arginine, %	1.68
Cystine, %	0.47
Glycine, %	1.03
Histidine, %	0.61
Isoleucine, %	1.34
Leucine, %.....	1.99
Lysine, %.....	1.54
Methionine, %.....	0.71
Phenylalanine, %.....	1.28
Threonine, %	1.03
Tryptophan, %	0.35
Tyrosine, %	0.83
Valine, %	1.34

Fat (Ether extract), %	9.0
Omega-3 Fatty Acids, %	0.56
Omega-6 Fatty Acids, %	4.2

Fiber (Crude), %	2.0
Neutral Detergent Fiber, %	3.6
Acid Detergent Fiber, %	2.3

Metabolizable Energy²,	
kcal/g.....	3,825

MACRO MINERALS

Calcium, %	1.70
Chloride, %.....	0.33
Magnesium, %.....	0.14
Phosphorus, %.....	0.94
Phosphorus (non-phytate), %	0.70
Potassium, %	0.91
Sodium, %.....	0.19
Sulfur, %.....	0.41

TRACE MINERALS

Cobalt, ppm	0.32
Copper, ppm.....	17
Iodine, ppm.....	0.65
Iron, ppm	125
Manganese, ppm.....	80
Selenium (added), ppm	0.30
Zinc, ppm.....	72

VITAMINS

Ascorbic acid, ppm	240
Biotin, ppm	0.63
Choline, ppm	964
Folic acid, ppm	3.41
Niacin, ppm	75
Pantothenic acid, ppm.....	22
Pyridoxine, ppm.....	8.2
Riboflavin, ppm.....	11
Thiamin, ppm.....	12
Vitamin B ₁₂ , µg/kg	13

Vitamin A, IU/kg.....	10,412
Vitamin D ₃ , IU/kg	4,853
Vitamin E, IU/kg.....	100
Vitamin K (as menadione), ppm	3.2

Beta-Carotene, ppm.....	1.0
-------------------------	-----

Storage Conditions

For best results, after removal of required amount store in original container with lid firmly affixed. Store in a cool 75°F or colder), dry (approximately 50% RH) location. Use within 1 year of manufacturing date.

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

² Calculated using data from domesticated poultry.

Mazuri® is a registered trademark of PMI Nutrition International, LLC.