

NutraZu® Ramphastid Hand Feeding Formula

(Visit www.nutrazu.com to find a distributor in the UK and EU.)

Formula Code – 5M3H

Description

NutraZu® 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 NutraZu® Hand Feeding Formula.

Features and Benefits

- **Low iron formula** - Ideal for iron-sensitive species.
- **As compared to standard NutraZu® psittacine hand feeding formulations:**
 - Higher protein and lower fat formulation.
 - Higher calcium, phosphorous and vitamin D and A.
- **Designed to promote hydration in young birds.**
- **Ideal levels of natural pigments and vitamins.**
- **Natural preservatives, and no artificial flavors or colors.**
- **Contains probiotic organisms** - Help initiate gastrointestinal microflora development.
- **Easy to mix** - Mixing accuracy can be easily observed.

Product Form

Dry powder.

- 10 kg bag

Catalog

1817384-109

Guaranteed Analysis (Dry powder)

Crude protein not less than25.0%
Crude fat not less than9.0%
Crude fiber not more than2.5%
Moisture not more than12.0%

Ingredients

Dehulled soybean meal, wheat flour, corn starch, soy protein concentrate, soybean oil, sucrose, dicalcium phosphate, brewers dried yeast, calcium carbonate, lecithin, tagetes (Aztec marigold) extract (color), salt, dl-methionine, 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 (stabilized vitamin C), zinc sulfate, manganese sulfate, ferrous sulfate, d-alpha tocopheryl acetate (form of vitamin E), nicotinic acid, calcium iodate, preserved with mixed tocopherols (form of vitamin E), canthaxanthin (color), rosemary extract, calcium pantothenate, citric acid (a preservative), copper sulfate, pyridoxine hydrochloride, thiamine mononitrate, riboflavin supplement, vitamin a acetate, menadione sodium bisulfite complex (source of vitamin K), folic acid, beta carotene, biotin, sodium selenite, cholecalciferol (form of vitamin D₃), vitamin B₁₂ supplement.

Mixing & Feeding Directions

- Prepared NutraZu® Ramphastid Hand Feeding Formula is designed for feeding toucan chicks.
- 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: 37° to 41° C.
 - 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; see below for average weight. 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., NutraZu® Soft-bill Diet for Iron sensitive Birds), plus 10-20% (by weight) fruits, veggies and other food items.

NutraZu® Ramphastid Hand Feeding Formula

Approximate Nutrient Composition¹

NUTRIENTS

Protein, %	25
Arginine, %	1.8
Cystine, %	0.54
Glycine, %	1.1
Histidine, %	0.63
Isoleucine, %	1.4
Leucine, %	2.1
Lysine, %	1.6
Methionine, %	0.69
Phenylalanine, %	1.3
Tyrosine, %	0.88
Threonine, %	1.1
Tryptophan, %	0.37
Valine, %	1.4

Fat (Ether extract), %	9.0
Linoleic acid, %	4.6
Omega-3 Fatty Acids, %	0.66
Omega-6 Fatty Acids, %	4.6

Fiber (Crude), %	2.5
Neutral Detergent Fiber, %	3.4
Acid Detergent Fiber, %	2.4

Metabolizable Energy ² , kcal/g	3,200
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MINERALS

Ash, %	6.5
Calcium, %	1.7
Phosphorus, %	0.95
Phosphorus (non-phytate), %	0.70
Potassium, %	0.94
Magnesium, %	0.14
Sodium, %	0.19
Chloride, %	0.34
Iron, ppm	125
Zinc, ppm	70
Manganese, ppm	80
Copper, ppm	15
Iodine, ppm	0.65
Selenium (added), ppm	0.17

VITAMINS

Thiamin, ppm	10
Riboflavin, ppm	8.8
Niacin, ppm	66
Pantothenic acid, ppm	18
Choline, ppm	1,730
Folic acid, ppm	3.3
Pyridoxine, ppm	10
Biotin, ppm	0.62
Ascorbic acid, ppm	235
Vitamin B ₁₂ , µg/kg	12
Vitamin A, IU/kg	7,165
Vitamin D ₃ , IU/kg	2,845
Vitamin E, IU/kg	95
Vitamin K (as menadione), ppm	3.1
Beta-carotene, ppm	0.97

Storage Conditions

For best results, after removal of required amount store in original container with lid firmly affixed. Store in a cool 23°C 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.

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