

# Zeigler® Handfeeding Formula

## All Hookbill Species

Zeigler® Handfeeding Formula is a completely balanced diet for hand-rearing all hookbill species. This diet supplies the essential amino and fatty acids, vitamins, trace minerals, and energy required for development and growth of baby birds.

Zeigler® Handfeeding Formula provides 100% of the daily nutrient requirements for growing birds. Dietary supplementation is not recommended. This diet is easily fed and highly digestible. Zeigler's drug-free manufacturing process reduces the risk of contamination and provides for uncompromised quality and product consistency.



### Guaranteed Analysis

Crude Protein	Min.	20.0%
Crude Fat	Min.	6.0%
Crude Fiber	Max.	1.5%
Moisture	Max.	13.0%
Total Ash	Max.	6.5%
Ascorbic Acid	Min.	70 ppm

### Feeding Instructions:

Thoroughly mix hot water (from the tap) or boiling water (for younger chicks) with 30% solids in a feeding cup to feed chicks 4 days after hatching. Gradually increase the proportion of solids to 40% until the chicks are 30 days old. Cool the formula to a slightly warmer than normal room temperature, it will have applesauce consistency or slightly thinner.

To feed use a teaspoon or demitasse spoon with sides bent up to form a trough. Large syringes have also been used successfully, but care should be taken not to get the formula into the windpipe. It needs an experienced person. Feeding response is stimulated by touching the beak or back corners of the beak with the spoon containing warm formula. Chicks get used to this technique within 3-4 days and readily open their gullet for the formula.

Young chicks should be fed every 3-4 hours during the day time. Note the condition of the crop prior to each feeding. Reduce the number of feedings as the chick gets older. Hand feeding three times a day is sufficient for a 30 day old chick. Hand feeding should be eliminated completely or reduced to one spoon feeding as soon as chicks are self feeding well from the feeding cups. When the chicks are 30-40 days old, offer fruits once a day as a treat only (in between the two main feedings). When the chicks are 45 days old, start on the small sized Zeigler pelleted starter/breeder diet while gradually phasing out the formula.

### Calculated Nutrient Composition

Amino Acid Concentration (% of total diet)		Mineral Concentration		Vitamin Concentration		
Arginine	1.45	Calcium	% 1.35	Vitamin A	IU/g	5.83
Lysine	1.58	Phosphorous	% 0.99	Vitamin D <sub>3</sub>	IU/g	0.63
Methionine	0.42	Potassium	% 0.61	Alpha-Tocopherol	IU/kg	46.85
Cystine	0.30	Sodium	% 0.02	Thiamine	ppm	11.20
Tryptophan	0.29	Magnesium	% 0.15	Riboflavin	ppm	14.12
Histidine	0.50	Iron	ppm 165.99	Niacin	ppm	80.13
Leucine	1.43	Zinc	ppm 53.61	Pantothenic Acid	ppm	15.88
Isoleucine	0.79	Manganese	ppm 81.96	Choline	ppm	3,188.87
Phenylalanine	0.84	Copper	ppm 17.64	Pyridoxine	ppm	11.39
Tyrosine	0.60	Cobalt	ppm 0.32	Folic Acid	ppm	3.74
Threonine	0.64	Iodine	ppm 0.39	Biotin	ppm	0.42
Valine	0.78			Vitamin B12	ppb	48.55
				Vitamin K	ppm	7.52

### Ingredients:

Soybean Flour, Wheat Flour, Corn Flour, Sucrose, Corn Starch, High Gluten Wheat Flour, Lecithin, Dicalcium Phosphate, Soy Oil, Fish Protein Hydrolysate, Calcium Carbonate, Brewers Yeast, L-Lysine, dl-Methionine, Manganese Sulfate, Choline Chloride, Niacin, Zinc Sulfate, Magnesium Oxide, Ferrous Sulfate, Cobalt Carbonate, Potassium Iodide, dl-Alpha Tocopheryl Acetate (source of vitamin E), Vitamin A Acetate, D-Activated Animal Sterol (source of Vitamin D<sub>3</sub>), d-Calcium Pantothenic Acid, Biotin, Menadione Sodium Bisulfite Complex (source of vitamin K), Thiamin Mononitrate, Riboflavin, Vitamin B12 Supplement, Pyridoxine, Folic Acid, Sodium Selenite, Natural and Artificial Flavors and L-Ascorbyl-2-Polyphosphate (source of stabilized vitamin C).



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