



Epicore BioNetworks Inc.

## **EPIBAL™** Granular Hatchery Feed

### **PRODUCT DESCRIPTION**

**EPIBAL** is a range of high quality granular hatchery feeds for post larval shrimp. It complements Epicore's EPIFEED®-LHF liquid larval feeds and supplements algae and Artemia that are typically used in larval rearing.

### **BENEFITS TO AQUACULTURE**

- Promotes optimum growth and survival of the larvae.
- Provides excellent tank water quality so minimizes the proliferation of pathogenic organisms.
- Promotes reduced requirements for disease treatments and water exchange when used with the other Epicore hatchery system of products.
- Completely replaces other dry diet.
- Provides economical production of large quantities of high-health larvae

### **MODE OF ACTION**

EPIBAL is formulated with the best quality proteins, olefinic lipids, phospholipids, carbohydrates, vitamins and micronutrients for a more readily digested feed. EPIBAL is formulated to minimize leaching of nutrients and to maximize feed digestion. EPIBAL is made by extrusion technology that minimizes heat exposure to maximize retention of delicate essential nutrients, micronutrients and palatability.

### **INGREDIENTS**

EPIBAL feeds are comprised of marine, plant and animal protein, fish oil, vitamin A, vitamin D3, riboflavin, niacin, calcium pantothenate, vitamin B12, choline chloride, d-Biotin, thiamine mononitrate, pyridoxine hydrochloride, vitamin E, menadione sodium bisulfite complex, folic acid, zinc sulfate, copper sulfate, manganese sulfate, potassium iodate, ethylene diamine dihydrochloride, ascorbic acid

### **PRODUCT DATA**

<b>Parameter</b>	<b>EPIBAL-300</b>	<b>EPIBAL-500</b>	<b>EPIBAL-700</b>
Form	Granular	Granular	Granular
Bulk Density (gm/cc)	0.59	0.59	0.59
Solids Content (% by wt)	90	90	90
Avg. Particle Size (microns)	300	500	700

### **PRODUCT DATA**

<b>Parameter</b>	<b>Value</b>	<b>Parameter</b>	<b>Value</b>
Protein (%)	49	Protein (% dry basis)	55.5
Lipid (%)	16	PUFA (%)	5.5
Carbohydrate (%)	16	HUFA (%)	3.4
Fiber (%)	4	Energy (J/gm)	16
Moisture (%)	10		

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### IMPORTANT NOTICE TO PURCHASER

"Epicore BioNetworks, Inc. ("Epicore") warrants that the product conforms to its compositional description and is reasonably fit for the purpose stated on the label when used in accordance with the label instructions under normal conditions of use. There are no other express or implied warranties, whether as to merchantability, fitness for any use, or otherwise, given in respect of the product. Neither Epicore nor its agents shall be liable for any damage, loss, or injury, whether the same arises directly or consequentially, by reason of any matter whatsoever relating to the use of the product, and any buyer's or user's exclusive remedy in any instance shall be limited to a refund of the purchase price paid."

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## FEEDING TABLE (*Penaeus vannamei*)

Assumes 6x15 oz 90%-hatch Artemia used per million PL produced per cycle)

Day of Culture	Stage	# Feeds Per Day	Feed Rate (gm/day/KK animals)		
			Epibal-300	Epibal-500	Epibal-700
13	PL3	6	120*		
14	PL4	6	150**		
15	PL5	8	210		
16	PL6	8	230		
17	PL7	8	250		
18	PL8	8	300		
19	PL9	12	330		
20	PL10	12	180	180	
21	PL11	12	150	220	
21	PL12	12	100	300	
22	PL13	12		420	
23	PL14	12		440	
24	PL15	12		500	
25	PL16	12		600	
26	PL17	12		650	
27	PL18	12		700	
28	PL19	12		750	
29	PL20	12		600	200
30	PL21	12		400	450
31	PL22	12		200	700
32	PL23	12			1000
33	PL24	12			1200
34	PL25	12			1500
Total/cycle			2020	5960	5050

\* When using EPIFEED-Dry-150, use 40 gm EPIBAL-300

\*\* When using EPIFEED-Dry-150, use 85 gm EPIBAL-300

## TREATMENT SUGGESTIONS

- Avoid over and under feeding by frequently observing larval health, quality and feeding rate to adjust feed quantity.
- Increase feed quantity for at water temperatures above 28°C.
- Adjust rate for Artemia used and animals present.

**PRODUCT PURITY:** Today, food crop producers must be able to trace all the ingredients used in their production. They are especially concerned with certain impurities. Epicore can certify that EPIBAL feeds do not contain any: fungus, Salmonella, Shingella, shrimp byproducts, antibiotic residues or YHV, WSSV or TSV virus.

**PRODUCT STORAGE:** Do not store continuously at temperatures above 40°C; keep dry; store out of direct sunlight in a well ventilated area.

**SHELF LIFE:** two years if stored as recommended.

**PACKAGING:** Supplied in 20-kg fiber drums with polyethylene liners and in 10-kg (5 U.S. gallon) open head polyethylene pails.