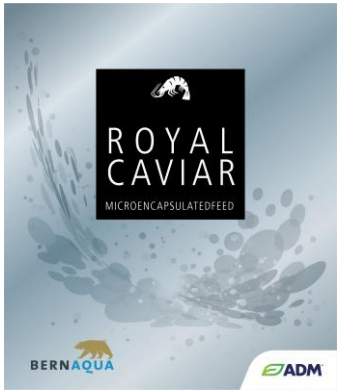


TECHNICAL CARD

# ROYAL CAVIAR



Royal Caviar is truly an exceptional shrimp larval diet. Royal Caviar is formulated and produced to mimic the basic features of live food. The product has an outstanding digestibility ensuring the highest performance.

- Particle more stable in water and with an easy digestion
- Ensuring healthy larvae development and higher survival rates
- Matching the different stages in the shrimp
- Micro-encapsulated diet
- High quality ingredients
- Classified in different sizes



NUTRIENT	VALUE	NUTRIENT	VALUE
Moisture (%)	8.0	Vitamin A (IU/kg)	15,000
Protein (%)	55.0	Vitamin C (ppm)	1,860
Lipids (%)	15.0	Vitamin D3 (IU/kg)	2,000
Ash (%)	15.0	Vitamin E (ppm)	400
Fiber (%)	1.7	n-3 HUFA (mg/g)	25.0
Calcium (%)	1.5	DHA (mg/g)	12.0
Sodium (%)	2.0	EPA (mg/g)	10.0
Phosphorus (%)	1.5		



## INGREDIENTS

Marine fish, krill, fish roe, soy lecithin, yeast autolysate, micro-algae, fish gelatin, squid meal, hydrogenated vegetable fat

## INSTRUCTION FOR USE

Feed 1.5-5 g/m3/day of Royal Caviar 5-50µm to Zoea, 5-8 g/m3/day of Royal Caviar 50-100µm to Mysis, 8-12 g/m3/day of Royal Caviar 100-200µm to PL1-5, 12-15 g/m3/day of Royal Caviar 200-300µm to PL5-8, 15-25 g/m3/day of Royal Caviar 300-500µm to PL8-15. Divide into 4 to 6 times per day.

Weight the feed according to the dosage and mix well with clean water, then spread all over the tank. Adjust fed amounts according to local conditions. Product based on natural ingredients. Variation in color is possible but does not affect the performance.

## STORAGE CONDITIONS

Store in a dry and cool place (best at 4°C, max. 20°C)  
SHELF LIFE  
2 years

## AVAILABLE SIZES

5-50µm  
50-100µm  
100-200µm  
200-300µm  
300-500µm

## PACKAGING

Jars of 400 g for all sizes (10 jars per carton),  
Buckets of 4.0 kg for sizes below 100µm,  
Buckets of 5.0 kg for sizes above 100µm

TECHNICAL CARD

# ROYAL SEAFOOD



Royal Seafood is a high quality shrimp diet formulated for post-larval stages. Royal Seafood provides the best growth and survival rates through the whole growth period. The product maintains a perfect water quality and is highly palatable.

- Improved digestibility of ingredients
- Homogeneous particles to feed different sizes from Zoea to PL
- Covering the nutritional requirements of shrimps
- Micro-extruded and crumble feed
- Unique sifting process
- High protein level



NUTRIENT	VALUE	NUTRIENT	VALUE
Moisture (%)	8.0	Vitamin A (IU/kg)	15,000
Protein (%)	54.0	Vitamin C (ppm)	1,000
Lipids (%)	8.0	Vitamin D3 (IU/kg)	2,000
Ash (%)	12.0	Vitamin E (ppm)	375
Fiber (%)	2.0	n-3 HUFA (mg/g)	20.0
Calcium (%)	1.0	DHA (%)	7.0
Sodium (%)	0.8	EPA (%)	12.0
Phosphorus (%)	1.4		



### INGREDIENTS

Fish meal, krill meal, wheat by-products, soy lecithin, brewer's yeast, fish oil, yeast autolysate, macro-algae

### INSTRUCTION FOR USE

Feed 1 - 3 kg/million PL of Royal Seafood.  
Divide into 4 to 6 times per day.  
Weight the feed according to the dosage and mix well with clean water, then spread all over the tank.  
Adjust fed amounts according to local conditions.

Product based on natural ingredients. Variation in color is possible but does not affect the performance.

### STORAGE CONDITIONS

Store in a dry and cool place  
(best at 4°C, max. 20°C)  
SHELF LIFE  
2 year

### AVAILABLE SIZES

5-50µm  
50-100µm  
100-200µm  
200-300µm  
300-500µm

### PACKAGING

Jars of 1.5 kg for all sizes (4 cans per carton)  
Buckets of 4.0 kg or 8.0 kg for sizes below 100µm  
Buckets of 5.0 kg or 8.0 kg for sizes above 100µm

TECHNICAL CARD

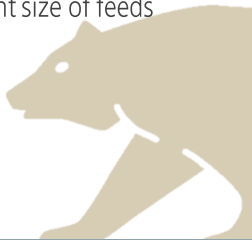
# BIOSPHERES



BioSpheres is a complete range of feeds for shrimp hatcheries, formulated to ensure best performance and stable results.

The range includes 3 different feeds, each one exclusively and independently formulated for the shrimp stage it is targeted to.

- To be used from Zoea to PL
- Covering the real necessities for each different stage
- Homogeneous particles to feed different sizes from Zoea to PL
- Complete range of different size of feeds
- Different formula in only one product
- Unique sifting process



NUTRIENT	Zoea feed	Mysis Feed	PL150 & PL300 feed	NUTRIENT	Zoea feed	Mysis Feed	PL150 & PL300 feed
Moisture (%)	8.0	8.0	8.0	Phosphorus (%)	1.5	1.5	1.6
Protein (%)	55.0	55.0	55.0	Vitamin A (IU/kg)	15,000	15,000	15,000
Lipids (%)	12.0	12.0	10.0	Vitamin C (ppm)	1,000	1,000	200
Ash (%)	15.0	15.0	10.0	Vitamin D3 (IU/kg)	2,000	2,000	2,000
Fiber (%)	2.0	2.0	1.5	Vitamin E (ppm)	1,000	1,000	200
Calcium (%)	1.0	1.0	0,5	n-3 HUFA (mg/g)	30.0	30.0	20.0
Sodium (%)	0.5	0.5	2.2				



### INGREDIENTS

**Zoea Feed:** Marine fish, Brewer’s yeast, soy lecithin, yeast autolysate, micro algae  
**Mysis Feed:** Marine fish, Brewer’s yeast, soy lecithin, yeast autolysate, fish gelatin  
**PL150 & PL300 Feed:** Fish meal, Brewer’s yeast, soy lecithin, wheat by-products, fish oil

### INSTRUCTION FOR USE

Feed 1 - 3 kg/million Post larvae of Biospheres  
Divide into 4 to 6 times per day.

Weight the feed according to the dosage and mix well with clean water, then spread all over the tank.  
Adjust fed amounts according to local conditions. Product based on natural ingredients.  
Variation in color is possible but does not affect the performance.

### STORAGE CONDITIONS

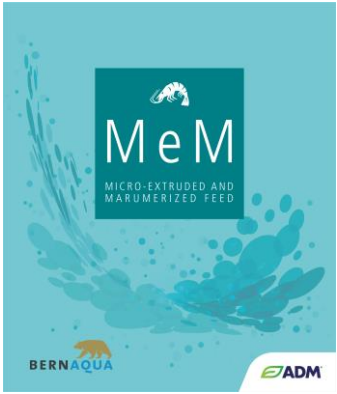
Store in a dry and cool place  
(best at 4°C, max. 20°C)  
**SHELF LIFE**  
2 year

### AVAILABLE SIZES

Biospheres Zoea (20-60µm)  
Biospheres Mysis (50-100µm)  
Biospheres PL150 (100-200µm)  
Biospheres PL300 (200-400µm)

### PACKAGING


Jars of 500 g (8 jars per carton) or buckets of 4.0 kg for Zoea and Mysis  
Jars of 1.0 kg (8 jars per carton) or buckets of 5.0 kg for PL150 and PL300



MeM is a top quality nursery feed produced by an adapted micro-extrusion process followed by marumerization. This innovative technology ensures a full water stability of soluble and insoluble nutrients in the feed while avoiding the use of chemical binders. The product retains its palatability and nutritional quality in water for more than 12 hours.

- Preventing denaturation of essential nutrients
- Homogeneous and tiny particle size facilitates apprehension by shrimps
- Lower leaching with a better preservation of water quality in the nursery tanks
- High stability in water
- Micro-cold extruded product
- Marumerized product



<div><div><div>Z</div><div>M</div><div>PL</div></div><div>N5123123123456789101112131415JUV</div></div>			
NUTRIENT	VALUE	NUTRIENT	VALUE
Moisture (%)	8.0	Vitamin A (IU/kg)	25,000
Protein (%)	60.0	Vitamin C (ppm)	750
Lipids (%)	15.0	Vitamin D3 (IU/kg)	2,000
ASH (%)	14.5	Vitamin E (ppm)	250
Fiber (%)	1.7	N-3 HUFA (mg/g)	25.0
Calcium (%)	2.2	DHA (mg/g)	10.0
Sodium (%)	0.5	EPA (mg/g)	12.0
Phosphorus (%)	2.3		



INGREDIENTS

Fish meal, peas, fish oil,  
soy lecithin, fish gelatin

INSTRUCTION FOR USE

Feed 4 - 6% of the shrimp biomass of MeM per day.  
Divide into 4 to 6 times per day.  
Weight the feed according to the dosage and mix  
well with clean water, then spread all over the tank.  
Adjust fed amounts according to local conditions.

Product based on natural ingredients. Variation in color is possible but does not affect  
the performance.

STORAGE CONDITIONS

Store in a dry and cool place  
(best at 4°C, max. 20°C)  
SHELF LIFE  
2 years

AVAILABLE SIZES

200-300µm  
300-500µm  
500-800µm  
800-1200µm

PACKAGING

Buckets of 5.0 kg  
Bags of 20.0 kg

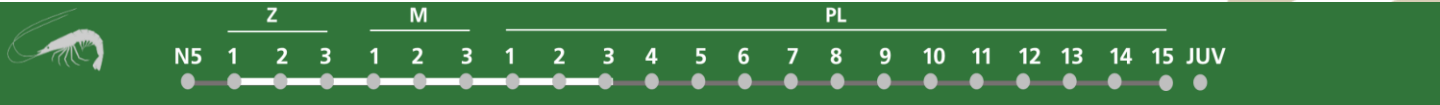
TECHNICAL CARD

# SPIRULINA



Spirulina is a blue-green microalgae (cyanobacteria) rich in essential amino-acids. Spirulina is a natural source of vitamin B, ideal for shrimp larval phases. The production process includes an extra sterilization.

- High protein level
- Easy to consume in the first stages
- Ready to use sparing labor at hatchery level
- 100% Spirulina content
- Small size (<75 µm)
- Dry algae



NUTRIENT	VALUE
Moisture (%)	8.0
Protein (%)	60.0
Lipids (%)	5.5
Ash (%)	9.5



INGREDIENTS

100% *Arthrospira platensis*

INSTRUCTION FOR USE

Feed Spirulina at 10 – 20 gr/million Zoea and Mysis.  
Divide into 4 to 6 times per day.  
Weight the feed according to the dosage and mix well with clean water, then spread all over the tank.  
Adjust fed amounts according to local conditions.

Product based on natural ingredients. Variation in color is possible but does not affect the performance.

STORAGE CONDITIONS

Store in a dry and cool place  
(best at 4°C, max. 20°C)  
SHELF LIFE  
2 years

AVAILABLE SIZES

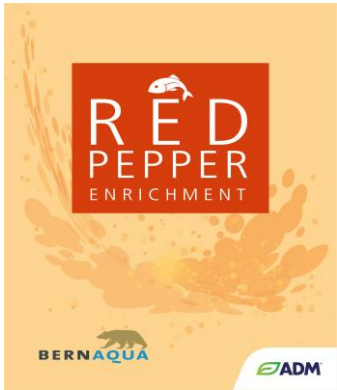
< 75µm

PACKAGING

Jars of 500 g  
(10 jars per carton)

TECHNICAL CARD

# RED PEPPER



Red Pepper is a supplementary enrichment product for rotifers and Artemia. Red Pepper is formulated with essential fatty acids and it contains well balanced important nutrients often lacking in yeast-based diets or lipid emulsions. The product easily disperses once placed in water. The nutrients are well protected, do not leach in the tank, thus reducing water pollution and excessive bacterial development.

- Very important in fish nutrition
- Essential for fish immunity and the development of collagen tissues
- Less leaching enhancing feed efficiency and preserving water quality
- Phospholipids containing fatty acid omega3
- Rich in vitamins
- Unique technology protecting essential fatty acids



NUTRIENT	VALUE	NUTRIENT	VALUE
Moisture (%)	68.0	Vitamin A (IU/kg)	50,000
Protein (%)	6.5	Vitamin C (ppm)	11,500
Lipids (%)	14.0	Vitamin D3 (IU/kg)	10,000
Ash (%)	3.0	Vitamin E (ppm)	1,500
Fiber (%)	1.7	n-3 HUFA (mg/g)	65.0
Calcium (%)	0.2	DHA (mg/g)	55.0
Sodium (%)	0.5	EPA (mg/g)	5.0
Phosphorus (%)	0.2	ARA (mg/g)	1.5



INGREDIENTS

Water, micro-algae, micro-encapsulated fish oil, arachidonic acid oil

INSTRUCTION FOR USE

Shake well before use

**Rotifer enrichment:** cleaned rotifers should be enriched at a density up to 1,000,000 rotifers per liter, for a period of 6 hours. Red Pepper is added in 2 rations of 180 gram/m3/ration. Rotifers are harvested after 6 hours and rinsed to remove all traces of the enrichment medium.

**Artemia enrichment:** incubate Artemia nauplii at densities up to 500,000 nauplii per liter, at a temperature of 25-30°C while maintaining an oxygen concentration of more than 4 mg oxygen per liter. Red Pepper is added in 2 rations of 750 grams/m3/ration, 12 hours apart for a standard 24 hour enrichment. Harvested Artemia must be rinsed to remove all traces of the enrichment medium. Adjust fed amounts according to local conditions.

STORAGE CONDITIONS

Store in a dry and cool place (best at 4°C, max. 20°C)

SHELF LIFE

2 years

PACKAGING

Bottle of 1.0 kg (10 bottles per carton)