



Pacific Trading
Feeding Global Aquaculture

ALGAMAC PROTEIN PLUS

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(Algae Replacement Diet)

New 100% celled algae and high protein species for partial or complete algae replacement and supplement and rotifer culture diet.

FEATURES:

- Live algae replacement and supplement for finfish, shrimp and bivalves.
- Excellent algal background diet for use as stand-alone or as a supplement to live algae providing high DHA, phospholipids and carbohydrates for larval growth and development of crustacean and finfish culture.
- Excellent over-wintering substitute algal diet for bivalve spat and maturation conditioning of broodstock.
- Excellent rotifer culture diet.
- A fraction of the cost of producing live algae.

BASIC PROTOCOL (ROTIFER PRODUCTION):

1. Emulsify Algamac Protein Plus in fresh or salt water by blending in an electric blender for a couple of minutes then sieve through a 50 micron mesh to remove the fractionated foam.
2. Apply at a rate of 0.5 grams AlgaMac Protein Plus per million rotifers twice a day.

TECHNICAL PRODUCT INFORMATION:

Physical Characteristics:	Dark GreenBrown Powder
Shelf life:	Product should be stored at temperatures <50F 10C). When properly stored, this product has a shelf life of 24 months from the date of manufacture.
Commercial Presentation:	Vacuum packed foil bags. 1 kg / 3kg per bag. 10 bags / carton 10 kg vacuumed buckets
Packing:	Vacuum packed in resealable foil bags or buckets
Ingredients:	Contains: Cells of heterotrophic and phototrophically produced algae, fungii and yeast cells. Whole cell count < 98%.

PRODUCT SPECIFICATION:

Protein:	42.9%
Lipid:	21.0%
Carbohydrates:	17.5%



PACIFIC TRADING CO.,LTD.



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PROXIMATE ANALYSIS

PROTEIN	FAT	CARBOHYDRATES (BY CALCULATION)	ASH	MOISTURE	CALORIES (BY CALCULATION)
42.9 %	21.0 %	17.5 %	12.4 %	6.0 %	411 kcal / 100g

FATTY ACID PROFILE

Name	Fatty acid	% FA of Total FA
Myristate	14:00	8.514
Myristoleate	14:1 (n-5)	0.39
Palmitate	16:00	24.189
Palmitoleate	16:1(n-7)	1.397
Stearate	18:00	1.310
Oleate	18:2(n-6)	6.899
Linoleate	18:2(n-6)	6.739
Arachidate	20:00	0.205
Linolenate	18:3(n-3)	0.753
Eicosenoate-11	20:1(n-9)	6.548
Stearidonate	18:4n-3)	.290
Eicosadienoate-11,14	20:2(n-6)	.032
Behenate	22:00	.114
Eicosatrienoate-11,14,17	20:3(n-3)	.021
Arachidonate/Erucate	20:4(n-6)/22:1(n-9)	.178
Nervonate	24:1(n-9)	.046
Eicosapentaenoate (EPA)	20:3(n-3)	.038
Docosapentaenoate (DPA)	22:5(n-6)	.382
Docosahexaenoate (DHA)	22:6(n-3)	36.230

Cell components are in variety of sizes due to the way each component is inactivated and dried. Hence, to prepare and hydrate the algae mix, put the dry powder in freshwater and blend for about two minutes in an electric blender.

Sieve any excess protein foam through a 50 micron mesh and add to the culturing tanks during early larval stages (Zoea-Mysis).



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