

ALGODARFEED -
SEAWEED-BASED

FEED ADDITIVE.

OPTIMAL CHOISE
FOR FISH AND SHRIMP
NUTRITION

ALGODARFEED: NATURAL FEED ADDITIVES FROM THE DEPTH OF THE WHITE SEA

Algodarfeed feed additive is an organic bioactive additive for fish and shrimp diet. It is made with the brown alga *Fucus* harvested in the White Sea. It contains the entire range of vitamins (A, B1, B2, B3, B12, C, D3, E, K, F, H), rare micro elements (iodine, selenium, barium, zinc, magnesium, sulfur, and others), folic and pantothenic acid, polysaccharides, amino acids, polyunsaturated acids like Omega-3.

From the point of view of biochemistry, Algodarfeed is a source of bioorganic compounds of micro- and ultra micro elements in combination with substances that have prebiotic, sedative and immunomodulatory effects on the fish body.

Over a quarter of Algodarfeed mass is represented by concentrated biologically active and mineral substances exclusively in bioorganic form. They are as follows:

1. a complex of bioorganic forms of macro- and microelements which are up to 5 times more potent than the ones from traditional mineral sources. This includes bioavailable compounds of such microelements as iodine, manganese, cobalt, copper, iron, zinc, ultra micro elements - bromine, chromium, silicon, nickel, selenium as well as macro elements - calcium, phosphorus, magnesium, sulfur;
2. structurally specific crude fiber (dietary fiber),
3. specific carbohydrates (poly- and oligosaccharides) providing metabolic modification.



Indicator	Unit of measure	Method	Value
Physical and chemical indicators			
Mass fraction of humidity	%	GOST P 54951- 2012	6,2
Mass fraction of crude protein	%	GOST 13496.4-93 n.2	6,21± 0,22
Mass fraction of crude fat	%	GOST 13496.15-2016	1,4± 0,44
Mass fraction of crude fiber	%	GOST 31675-2012 n.7	9,9±1,4
Mass fraction of crude ash	%	GOST 32933-2014	24,4
Calcium content	g/kg	GOST 26570- 95 n.2	1,39
Phosphorus content	g/kg	GOST 26657- 97 n.4	0,03
Nutritional units in 1 kg	kcal	Computational method	2006
Metabolizable energy	MJ/kg	Computational method	8,71
Nitrogen-free extract (NFE)	%	Computational method	51,93
Mass fraction of sodium chloride	%	GOST 13496.1- 98	1,8
Carotene content	mg/kg	GOST 13496.17- 95	16
Vitamin content			
Vitamin A	mg/kg	M- 02 - 1006 - 08	2,38±0,71
Vitamin A	IU/kg	Computational method	6918±2064
Microelements			
Iron	mg/kg	GOST 26573.2- 2014	137,00±32,33
Copper	mg/kg	MY 08/47-224	2,55±0,84
Iodine	mg/kg	MY 08/47-247	400±32
Cation content			
Potassium		M 04 - 65 - 2010	20,42±5,47
Sodium		M 04 - 65 - 2010	21,67± 4,33
Magnesium		M 04 - 65 - 2010	6,73±1,35

Anion content			
Chlorine		M 04 -73-2011	34,21± 5,47
Sulfate		M 04 -73-2011	58,11±9,30
Sulphates in terms of elementary medium		M 04 -73-2011	19,41
Amino acids content			
lysine	g/kg	M-02-902-142-07	3,58±0,47
Methionine	g/kg	M-02-902-142-07	1,53±0,18
Cystine	g/kg	M-02-902-142-07	0,53±0,07
Methionine + cystine	g/kg	Computational method	2,06±0,25
Threonine	g/kg	M-02-902-142-07	2,06±0,25
Tryptophan	g/kg	ГОСТ 13496.21-2015	0,34±0,03
Arginine	g/kg	M-02-902-142-07	4,19± 0,59
Valine	g/kg	M-02-902-142-07	4,56±0,55
Histidine	g/kg	M-02-902-142-07	2,69±0,32
Glycine	g/kg	M-02-902-142-07	3,39±0,41
Isoleucine	g/kg	M-02-902-142-07	3,30±0,40
Leucine	g/kg	M-02-902-142-07	4,52±0,54
Phenylalanine	g/kg	M-02-902-142-07	3,73± 0,45
Tyrosine	g/kg	M-02-902-142-07	2,15±0,26
Phenylalanine + Tyrosine	g/kg	Computational method	5,88±0,71
Alanin	g/kg	M-02-902-142-07	4,27±0,51
Aspartic acid	g/kg	M-02-902-142-07	16,81±2,19
Glutamic acid	g/kg	M-02-902-142-07	19,56±2,35
Serine	g/kg	M-02-902-142-07	3,42±0,41

ALGODARFEED IS INDISPENSABLE FOR AQUACULTURE



The addition of ALGODARFEED to the fish diet significantly improves the taste and quality of the resulting product.



An increase in the DNA / RNA index upon the introduction of ALGODARFEED into the fish diet indicates an improved assimilation of nutrients from feed and an accelerated growth rate of fish and shrimps.



Fish receiving ALGODARFEED exhibit less aggressive behavior. As a result, adults are free of wounds and discoloration.

ACTIVE SUBSTANCES

Polysaccharides

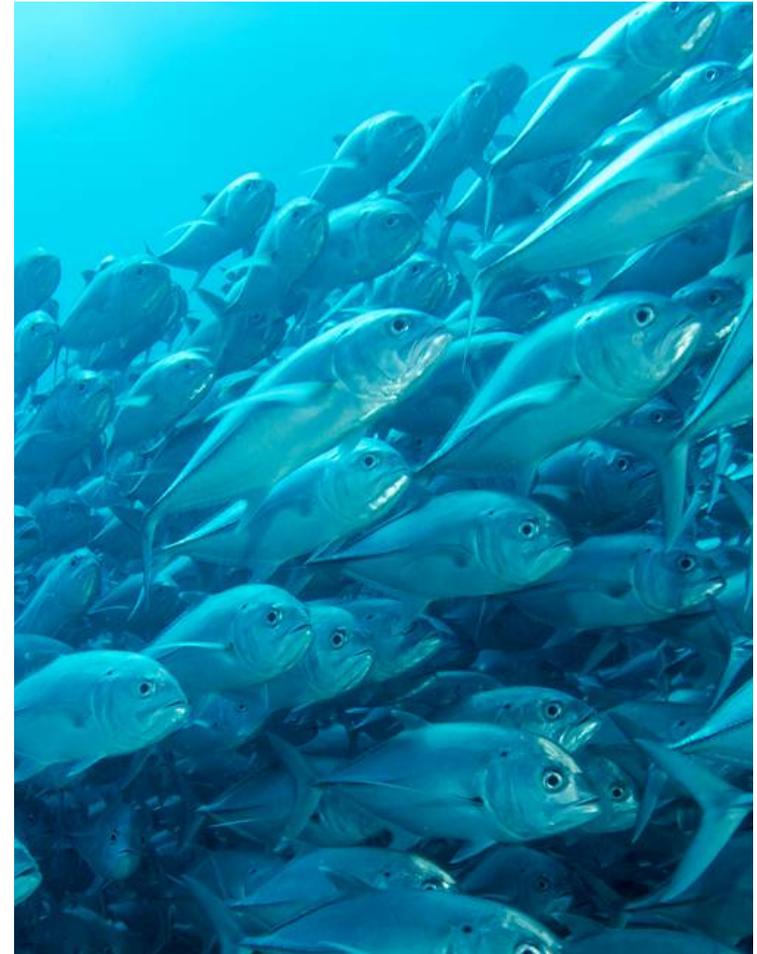
ALGODARFEED contains unique polysaccharides such as fucoidan, alginates, laminarins. These substances can increase the resistance of fish to bacterial and viral infections.

Iodine

For high productivity, a sufficient physiological level of thyroid hormones is required, iodine is needed for the synthesis of these hormones. ALGODARFEED has a large amount of iodine in an easily digestible organic form.

Chromium

An ultratrace element that regulates the flow of insulin and glucose from the blood into the cells of the body by influencing the permeability of the cell walls in relation to these substances.



RECOMMENDED USE



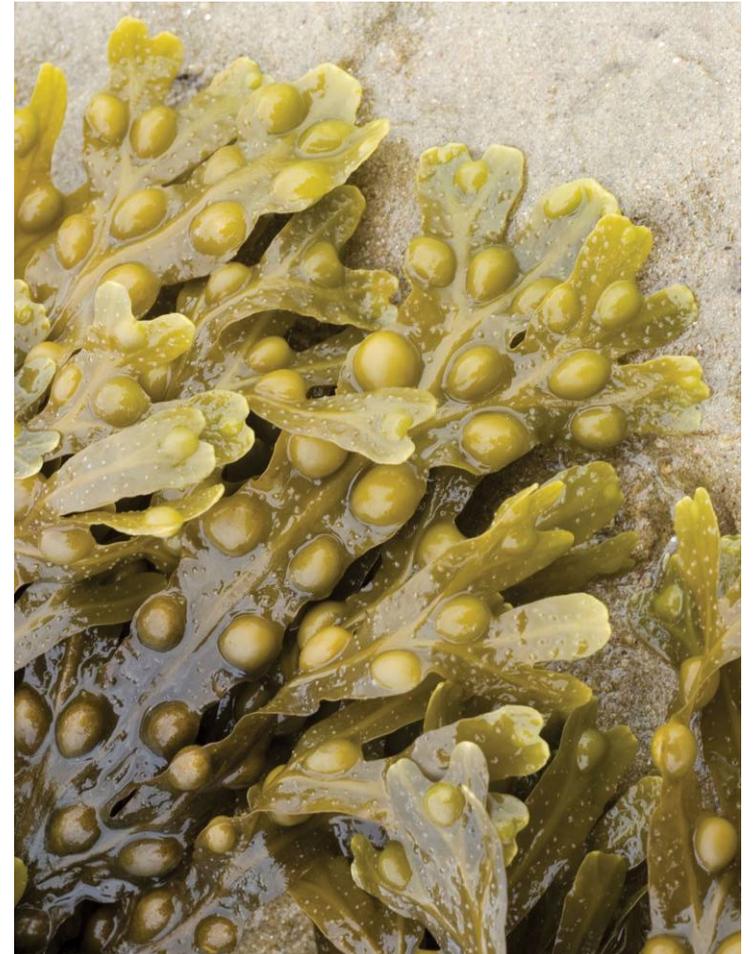
ALGODARFEED accelerates growth, improves feed conversion, has a positive effect on the physiological state and resistance to diseases.



Algodarfeed is thermally stable and can be used in wet and dry feed.



Algodarfeed should be stored in a dry place at ambient temperature and used within 18 months from the date of manufacture.



WE OFFER TWO TYPES OF ALGODARFEED

«Algodarfeed 1.2»



Production form: particles up to 2 mm

Mass fraction of crude protein 5,5%
Mass fraction of crude fiber 5,3%
Mass fraction of crude ash 19,6%

«Algodarfeed 1.4»



Production form: powder

Mass fraction of crude protein 5,4%
Mass fraction of crude fiber 5,5%
Mass fraction of crude ash 21,7%

WE LOOK FORWARD TO OUR COOPERATION



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