NutriCrab™ AQUA



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PRODUCT DESCRIPTION

- Tasty marine ingredient
- Outstanding health benefits for skin, liver and intestines
- Protects body cells, supports the immune system and helps fight inflammation
- For use in fish feed

NutriCrab Aqua is a functional ingredient for fish feed made from all-natural rest raw material from Norwegian Brown crab. The palatability is high due to the freshness and unique shellfish flavour.

The product is a natural source of marine protein, taurine, choline, minerals and chitin.

NutriCrab Aqua is made from high quality rest raw material from local crab processing facilities, which traditionally have been a waste problem. This is circular economy at its best and ensures a very low carbon footprint on the product.

FUNCTIONAL PROPERTIES



Range of tasty marine proteins.

Complete source of essential amino acids for fish.



Rich in calcium and phosphorous.

Important to bone health



Taurine

Natural source of taurine.

Improves growth, enhances lipid metabolism and alleviates chemical toxicity



Choline

Natural source of choline.

Supports healthy liver, brain and muscle function, and transportation of fat.



Improved immune defence with chitin.

Improves the immune system, skin health and helps fight inflammation.

CHEMICAL COMPOSITION

All below values are typical values and may vary in practice.

NUTRIENT COMPOSITION	g/ 100g
Dry matter	98
Protein	13
Fat	0.5
Carbohydrate	18.5
hereof chitin	16
Ash	66
Salt	2.8
AMINO ACIDS	g/ 100g
Limiting amino acids in fish:	
Arginine	1.2
Histidine	0.35
Isoleucine	0.42
Leucine	0.77
Lysine	0.8
Methionine	0.23
Phenylalanine	0.62
Threonine	0.62
Tryptophan	0.23
Valine	0.54
Taurine	0.45
STABILITY INDEX	
TVN (g/100g)	< 0.1
Cadaverine (mg/kg)	< 10
Histamine (mg/kg)	< 10

PHYSICAL PROPERTIES	
Appearance	Pale brown powder
Particle size	< 3 mm
CHEMICAL ELEMENTS	g/ 100g
Calcium	30
Phosphorous	1.0
Magnesium	1.4
Potassium	0.2
Sodium	1.2
	mg/ kg
Iron	150
Sink	37
Manganese	27
Copper	18
Chromium	1.2
Selenium	1.34
Cobalt	0.16
Choline	950
MICROBIOLOGY	cfu/ g
Total plate count	< 10 000
Enterobacteriaceae	< 10
Salmonella	Negative
Listeria	Negative

SUSTAINABLE AND NATURAL



100% Natural

Natural product.

Made from high quality Norwegian crab without any preservatives



Sustainable

Very low environmental impact.

Only made from rest raw material originating from local fisheries, resulting in a very low carbon footprint



Traceable

Traceable back to origin.

Traceable from fishing origin and to finished product

PACKAGING AND STORAGE

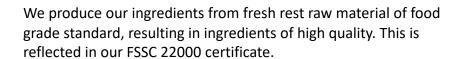
The product is handled and packed as food grade in 500 or 1000 kg big bags.

The product is best kept at temperatures below 25°C during storage in its original packaging.

Shelf life is 2 years from production date when stored in unopened packaging.

CERTIFICATION AND APPROVAL

Nutrishell has approval from the Norwegian Food Safety Authorities to produce both food and feed.





ABOUT NUTRISHELL

Nutrishell is a Norwegian biotechnology company producing high quality ingredients for food and feed from marine rest raw material, primarily shellfish.

Our raw material are resources that previously have not been utilized, such as crab rest raw material. This results in our products having a very low carbon footprint and being super environmentally friendly as we are only using already existing resources in our production.

Our products have a unique and strong shellfish flavour, making them good as flavour ingredients and palatants. They also have several functional properties, important for both humans and animals. We are committed to contribute to improving human and animal health through our new sustainable ingredients.