



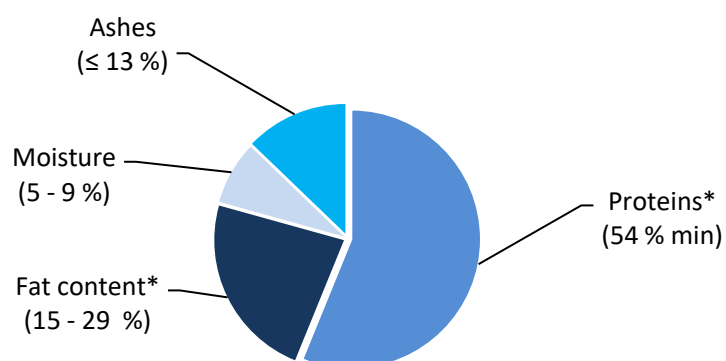
Krill meal

Physical characteristics

- Appearance : Powder
- Odor : Marine
- Color : Pink-orange

Analytical characteristics

Composition



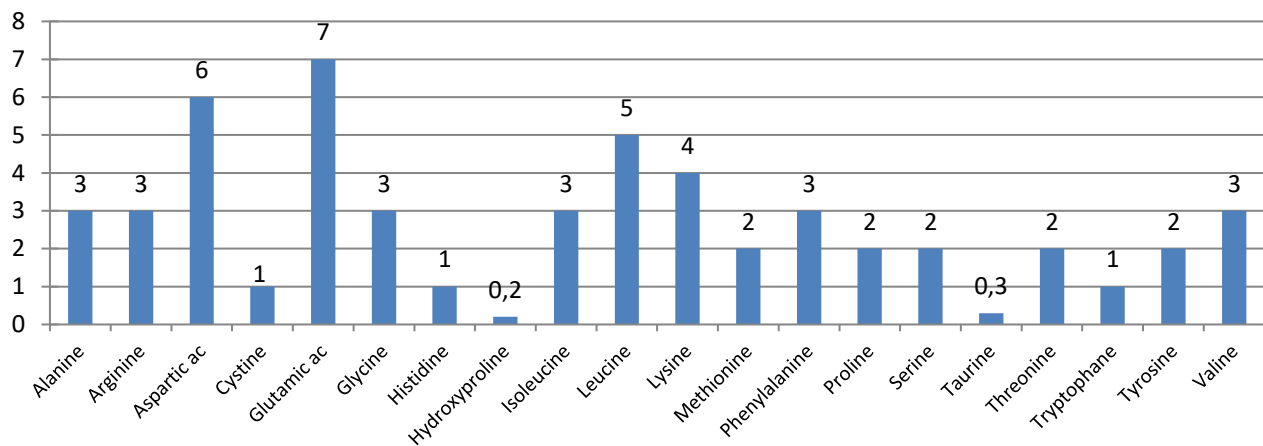
*seasonal variations

Chemical analysis

Astaxanthin	80 ppm min
Salt (NaCl)	≤ 4.5 %

▪ **Proteins**

Amino-acids profile - % of product



Chemical analysis

TVN	< 0.10 g / 100 g
Cadaverine	< 0.10 g / kg
Histamine	< 0.10 g / kg

▪ **Fat content**

Chemical analysis

Peroxide value	< 20 meq O ₂ /kg
Total phospholipids	> 35 %
Triglycerides	< 50 %
Total omega 3	> 19 %
EPA	> 10 %
DHA	> 4.5 %

▪ **Minerals**

Minerals			
Phosphorus	< 2 %	Iron	60 ppm
Calcium	< 3 %	Copper	80 ppm
Magnesium	< 1 %	Chromium	0.9 ppm
Aluminium	90 ppm		

▪ **Vitamins**

Vitamins			
Vitamin A	1170 µg/100 g	Vitamin B3	3 mg/100 g
Vitamin D3	< 0.5 µg/100 g	Vitamin B5	0.4 mg/100 g
Vitamin E	9 mg/100 g	Vitamin B6	0.1 mg/100 g
Vitamin K1	1 µg/100 g	Vitamin B8	71 µg/100 g
Vitamin C	< 0.5 mg/100 g	Vitamin B9	35 µg/100 g
Vitamin B1	0.02 mg/100 g	Vitamin B12	5 µg/100 g
Vitamin B2	0.03 mg/100 g		

Undesirable substances*

* Conform to EU legislation 2002/32/EC
and its amendments

Arsenic (As)	< 25 ppm
Mercury (Hg)	< 0.5 ppm
Cadmium (Cd)	< 2.0 ppm
Lead (Pb)	< 10.0 ppm
Fluorine	< 3000 ppm
Dioxins	< 1.25 ng/kg
Sum of dioxins and dioxin-like PCBs	< 4.0 ng/kg
Non-dioxin like PCBs	< 30.0 µg/kg

Microbiological analysis*

*Control frequency and referred methods according to
European regulation 1069/2009/EC

Enterobacteriaceae	< 300 UFC / g
Salmonella	Negative / 25 g
Total plate count	< 100 000 UFC / g

Additives

- Antioxidant : None

Packaging

25 kg bags under vacuum, 500 kg big bags.

Storage / Shelf life

Store in a dry and cool place

Shelf life : 2 years

Additional information: Krill meal is free of antioxidant, it is strongly recommended to close the bags well between each use in order to avoid the product oxidation.

Legal status

Feed material according to European regulation (EC) n°68/2013.

MSC certified (Marine Stewardship Council)

Note

This technical paper has been drafted in order to help compounders in their work. This information here above reported is reliable but has only an indicative value. It cannot engage our company beyond guarantees mentioned in contracts.