QRILL AQUA MEAL

DESCRIPTION

QRILL AQUA is meal obtained exclusively from 100% natural **Antarctic Krill (Euphausia superba)**. Krill is harvested in the Antarctic Ocean (CCAMLR area 48) and processed immediately on vessels to ensure maximum freshness and preserve its exceptional nutritional profile. The product is rich in highly palatable marine proteins and lipids with a **high concentration of omega-3 fatty acids bound to phospholipids** that ensure very high availability of nutrients. It also contains **natural Astaxanthin, Choline, TMAO (**Trimethylamine Oxide) **and Nucleotides**.

COMPOSITION

100% Dried Antarctic Krill Meal (Euphausia Superba)

ANALYTICAL DATA

- Crude protein **57.00 %;**
- Crude fat **26.00 %;**
- Crude cellulose **3,90 %;**
- Crude ash **10,60 %;**
- Moisture **6.80 %;**
- Sodium **1.20%;**
- Lysine **3.80%;**
- Methionine **1.55%**
- Astaxanthin **114 mg/kg**

Lipid composition

	Average value	Units
Total phospholipids	40,00	g/100g lipids
Total triglycerides	50,00	g/100g lipids
Choline	5,00	g/100g lipids
Fatty Acid Profile		
Saturated fatty acids	28,00	g/100g lipids
Monounsaturated fatty acids	21,00	g/100g lipids
Polyunsaturated fatty acids (n-3 & n-6)	27,00	g/100g lipids
Total Omega-3s	25,00	g/100g lipids
-C 20:5 n-3 (EPA)	11,00	g/100g lipids
-C 22:6 n-3 (DHA)	7,00	g/100g lipids
Total Omega-6	< 2	g/100g lipids
C18:2 n-6 (Linoleic Acid)	1,10	g/100g lipids
C 20:4 n-6 (Arachidonic acid)	0,10	g/100g lipids
Omega-6/omega-3 ratio	0,07	

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Amino acid composition

	Average value	Units
Arginine	5,40	g/100g protein
Histidine	1,80	g/100g protein
Isoleucine	4,70	g/100g protein
Leucine	7,20	g/100g protein
Lysine	6,70	g/100g protein
Methionine	2,70	g/100g protein
Phenylalanine	4,00	g/100g protein
Taurine	0,60	g/100g protein
Threonine	3,80	g/100g protein
Tryptophane	1,10	g/100g protein
Valine	4,60	g/100g protein
Aspartic Acid	6,00	g/100g protein
Alanine	3,00	g/100g protein
Cysteine/Cystine	0,70	g/100g protein
Glutamic acid	11,90	g/100g protein
Glycine	3,00	g/100g protein
Hydroxyproline	0,05	g/100g protein
Proline	3,00	g/100g protein
Serine	2,00	g/100g protein
Tyrosine	2,00	g/100g protein

Mineral composition

Minerals	Typical value	Units
Fluoride	879	mg/kg
Phosphorus	1,3	g/100g
Calcium	1,37	g/100g
Magnesium	3.713	mg/kg
Iron	36	mg/kg
Copper	75	mg/kg
Iodine	1,8	mg/kg
Zinc	44	mg/kg
Selenium D	4	mg/kg
Manganese	2	mg/kg

MODE OF ACTION

The unique combination of functional nutrients in QRILL is designed to improve performance:

- Appetite stimulant: thanks to the presence of Nucleotides and TMAOs, it increases feed attractiveness and food intake, improving the conversion rate (FCR).
- Promoting robustness: Phospholipids and chitin support the immune system, improving resistance to disease.
- Vital organ health: Reduces fat accumulation in the liver and intestines.
- Bioavailability: More than 50% of peptides are less than 200 Daltons in size, optimizing protein absorption.
- The addition of krill flour into pig diets has a positive effect on the fertility of both sows and boars, thanks in particular to the presence of omega-3 fatty acids linked to phospholipids.
- In laying hens, eggs are richer in omega-3 and have a more intense yolk color thanks to Astaxanthin. Improves hatchability of broodstock eggs
- The omega-3 fatty acids and antioxidants in Krill flour strengthen the immune system, helping animals resist infection and stress. Astaxanthin, in particular, fights oxidative damage caused by metabolic activity or environmental challenges.

RECOMMENDED DOSAGE

QRILL can be included in different feed.

Species / Phase	Inclusion Levels
Weaning pigs	2%-5%
Sows -boars	1.5%-3%
Breeding layers	1%-5%

SPECIFICATIONS

1. Appearance: flour
2. Odour: typical of crustacean
3. Colour: Red-orange-brown (seasonally variable according to the krill diet)

The product is packaged in a modified atmosphere (nitrogen) to ensure optimal quality without artificial additives.
Available in 25 kg bags.
Storage: In a cool, dry place, ideally between 0 and 25°C, in the original packaging.
Shelf life: 2 years from production.
Certifications: MSC certified for sustainability and traceability; ECO Harvesting™ technology.