

SPECIFICATION FOR FEED

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Algae IQF 18% dw *Chlorella vulgaris*

Product name	IQF <i>Chlorella vulgaris</i>
Origin/ Processed	Nijkerk, The Netherlands
Ingredients	Whole algae and water
Appearance and colour	Intense green pellets droplet
Odor and taste	Sweet, creamy umami
Dry Matter	17,19 g/100 g
Crude ash	0,63 g/100 g

Nutritional values per 100 gram*

Energy	325,8 kJ	78,12 kCal
Crude Fats	2,5 g	
- Saturated fatty acid	1,2 g	
- Monounsaturated fatty acid	0,7 g	
- Polyunsaturated fatty acid	0,6 g	
Carbohydrates	7,0 g	
- of which sugars	0,9 g	
Fibers	5,9 g	
Crude Protein	4,1 g	

Vitamins

A (Retinol)	32,4 µg
D	0,3 µg
E (Tocopherol)	2,5 mg
C (Ascorbic Acid)	15,1 mg
B1 (Thiamine)	0,0 mg
B2 (Ribovlavine)	0,1 mg
B3 (Niacone)	3,0 mg
B6 (Pyridoxine)	0,2 mg
B11 (Folate)	0,4 µg
B5 (Pantothenic Acid)	0,1 mg

Minerals

Potassium	178,2 mg
Calcium	8,8 mg
Phosphorus	166,5 mg
Magnesium	15,7 mg
Iron	1,7 mg
Manganese	0,5 mg
Zinc	0,6 mg
Iodine	n.d.
Fluorine	< 0,5 mg
Nitrite	< 0,2 mg
Sodium	26,8 mg

Caretenoids

Beta carotene	1,8 mg
Lutein	3,1 mg
Zeaxantine	0,4 mg

* all natural product, so results may vary



Heavy Metals

Mercury	< 0,01 mg / kg
Arsenic	< 0,02 mg / kg
Tin	< 0,1 mg / kg
Cadmium	< 0,01 mg / kg
Lead	< 0,01 mg / kg

Microbiology

Total plate count	< 10000 cfu / g
Enterobacteriaceae	< 1000 cfu / g
Yeast and moulds	< 1000 cfu / g
Staphylococcus aureus	< 10 cfu / g
e-Coli	Absent in 25 g
Listeria monocytogenes	Absent in 25 g
Salmonella	Absent in 25 g

Handling

Packing	15kg in bag-in-box
Pallet volume	600 kg
Traceability	Best before date and batch code
Transport	Frozen -18°
Storage	Frozen -18°
Shelf life	1 year

The feed to be delivered is GMP+ FSA assured
Approved by

QA Manager
Phycom BV