

Product information

Product Data Sheet

duplaco® fermented Chlorella liquid 20%

- Human functional ingredient
- Feed material

DUPLACO® FERMENTED CHLORELLA LIQUID 20%

duplaco® fermented *Chlorella liquid 20%* is a microalgae liquid which contains 20% dry matter. Chlorella contains naturally high levels of amino acids (all essential amino acids), vitamins, minerals and antioxidants.



PRODUCT IDENTIFICATION:

Product:	Algae (Chlorella sorokiniana)
Product code:	0102CS20-L
Culture conditions:	Heterotrophic, controlled, conditioned
Appearance:	Green liquid with characteristic smell
Allergen information:	None
Land of origin:	The Netherlands

GMP+ FSA assured

ANALYTICAL COMPOSITION:

Per 100g*:

Crude protein:	9.4 g
Carbohydrates:	3.0 g
- Of which sugars:	0.4 g
Dietary fibres:	4.4 g
Crude fat:	1.6 g
- Of which saturated:	0.4 g
- Of which unsaturated:	0.8 g
Moisture content:	80 g

HEAVY METALS:

Cadmium (Cd):	Max. 0.1 mg/kg
Arsenic (As):	Max. 0.1 mg/kg
Mercury (Hg):	Max. 0.05 mg/kg
Lead (pb):	Max. 0.1 mg/kg

*= Batch data

BACTERIOLOGICAL:

Molds:	Max. 100 CFU/g	Listeria:	Max. 100 CFU/g
Yeast:	Max. 100 CFU/g	Staphylococcus:	Max. 100 CFU/g
E.coli:	Max. 100 CFU/g	Clostridium perfringens:	Max. 1000 CFU/g
Salmonella:	Negative / 25 g	Bacillus cereus:	Max. 1000 CFU/g
Coliform:	Max. 1000 CFU/g	Enterobacteriaceae:	Max. 1000 CFU/g

DIRECTIONS FOR USE:

- Humans: This product can be used as ingredient for human nutrition. Consult your nutritionist for a specific nutritional advice. Recommended dose is 0.25 g / kg bodyweight per day.
- Animals: Consult your nutritionist for a specific nutritional advice per animal. Recommended dose is 0.25 gram per kg bodyweight a day, for the following animals: dogs, cats, horses, poultry, pigs and cattle.

STORAGE AND BEST BEFORE:

Frozen the algae can be preserved in unopened, original packing up to 18 months after date of production. After defrosting the algae should be kept dark, cool and in original packing, and consumed or processed a.s.a.p., but always within 3 days. This product is not heat-treated. We therefore recommend to pasteurize the product before usage.

SAFETY:

The product is safe for the indicated use. For complete safety information and precautionary measures we refer to Duplaco's safety data sheets.



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NUTRITIONAL VALUES:

Nutritional values	Per 100 g (DRI% *)	Vitamins	Per 100 g (DRI% *)
Energy	342 kJ/82 kcal	Vitamin A	280 µg (36%) rich in
Protein	9.4 g (rich in)	Thiamin (B1)	260 µg (24%) source of
Fat	1.6 g (low)	Riboflavin (B2)	614 µg (22%) source of
- of which saturated	- 0.4 g (low)	Niacin (B3)	1.37 mg (8%)
- of which unsaturated	- 0.8 g	Pantothenic acid (B5)	824 µg (28%) source of
- monounsaturated	- 0.2 g	Pyridoxine (B6)	424 µg (30%) rich in
- polyunsaturated	- 0.6 g	Biotin (B8)	50 µg (102%) rich in
Carbohydrates	3.0 g	Vitamin C	7.2 mg (9%)
- of which sugars	- 0.4 g (free)	Vitamin D2	3.38 µg (68%) rich in
- of which starch	- 2.6 g	Vitamin E	1.82 µg (16%)
Dietary fibres	4.4 g	Vitamin K1	274 µg (366%) rich in
Sodium	< 0.010 g (free)	Cholin	40.6 mg
Ash	1.6 g		
Moisture	80 g		
Amino acids		Minerals	
Alanine (ALA)	0.68 g	Calcium	10 mg (1.2%)
Arginine (ARG)	0.50 g	Iron	8.6 mg (62%) rich in
Aspartic acid (ASP)	0.72 g	Magnesium	86 mg (24% source of
Cysteine (CYS)	0.10 g	Manganese	0.26 mg (12%)
Glutamic acid (GLU)	0.96 g	Phosphorus	254 mg (36%) rich in
Glycine (GLY)	0.48 g	Potassium	564 mg (28%)source of
Histidine (HIS) **	0.20 g (28%)	Zinc	0.4 mg (4%)
Isoleucine (ILE) **	0.32 g (22%)		
Leucine (LEU) **	0.72 g (26%)	Pigments/antioxidants	
Lysine (LYS) **	0.82 g (40%)	Beta carotene	11.4 mg
Methionine (MET) **	0.18 g (26%)	Xanthophylls	50.1 mg
Phenylalanine (PHE) **	0.38 g (36%)	- of which lutein	47.4 mg
Proline (PRO)	0.40 g	- of which astaxanthin	2.4 mg
Serine (SER)	0.34 g		
Threonine (THR) **	0.36 g (34%)		
Tryptophan (TRP) **	0.16 g (58%)		
Tyrosine (TYR)	0.24 g		
Valine (VAL) **	0.50 g (28%)		
** Essential amino acids	3.62 g		
Total amino acids	8.14 g		

* = DRI amino acids for adult persons of 70 kg body weight. DRI vitamins and minerals according reg. EU no 1169/2011

** = Essential amino acids

Legal disclaimer: The information in this document is based on our present knowledge and experience. The nutritional values of the Chlorella Sorokiniana can fluctuate, because it is a natural product. Solely the user can be held responsible for processing / sales of the product in / to his/ her products / customers. The user should comply with valid legislation and regulations, and respect the rights of others therein.

