

Product information

Product Data Sheet

duplaco® fermented Chlorella liquid 10%

- Human functional ingredient
- Feed material

DUPLACO® FERMENTED CHLORELLA LIQUID 10%

duplaco® fermented *Chlorella liquid 10%* is a microalgae liquid which contains 10% 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:	0102CS10-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*:	HEAVY METALS:	
Crude protein:	4.7 g	Cadmium (Cd):	Max. 0.1 mg/kg
Carbohydrates:	1.49 g	Arsenic (As):	Max. 0.1 mg/kg
- Of which sugars:	0.18 g	Mercury (Hg):	Max. 0.05 mg/kg
Dietary fibres:	2.15 g	Lead (pb):	Max. 0.1 mg/kg
Crude fat:	0.8 g		
- Of which saturated:	0.2 g		
- Of which unsaturated:	0.4 g		
Moisture content:	90 g		

*= 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 0.5 g / kg bodyweight per day.
- Animals: Consult your nutritionist for a specific nutritional advice per animal. Recommended dose is 0.5 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	171 kJ/41 kcal	Vitamin A	140 µg (18%) source of
Protein	4.7 g (rich in)	Thiamin (B1)	130 µg (12%)
Fat	0.8 g (low)	Riboflavin (B2)	307 µg (22%) source of
- of which saturated	- 0.2 g (low)	Niacin (B3)	687 µg (4%)
- of which unsaturated	- 0.4 g	Pantothenic acid (B5)	412 µg (7%)
- monounsaturated	- 0.1 g	Pyridoxine (B6)	212 µg (15%) source of
- polyunsaturated	- 0.3 g	Biotin (B8)	25 µg (51%) rich in
Carbohydrates	1.5 g	Vitamin C	3.6 mg (4.5%)
- of which sugars	- 0.2 g (free)	Vitamin D2	1.69 µg (34%) rich in
- of which starch	- 1.3 g	Vitamin E	909 µg (8%)
Dietary fibres	2.2 g	Vitamin K1	137 µg (183%) rich in
Sodium	< 0.005 g (free)	Cholin	20.3 mg
Ash	0.8 g		
Moisture	90 g		
Amino acids		Minerals	
Alanine (ALA)	0.34 g	Calcium	5 mg (0.6%)
Arginine (ARG)	0.25 g	Iron	4.3 mg (31%) rich in
Aspartic acid (ASP)	0.36 g	Magnesium	43 mg (12%)
Cysteine (CYS)	0.05 g	Manganese	0.13 mg (6%)
Glutamic acid (GLU)	0.48 g	Phosphorus	127 mg (18%) source of
Glycine (GLY)	0.24 g	Potassium	282 mg (14%)
Histidine (HIS) **	0.10 g (14%)	Zinc	0.2 mg (2%)
Isoleucine (ILE) **	0.16 g (11%)		
Leucine (LEU) **	0.36 g (13%)	Pigments/antioxidants	
Lysine (LYS) **	0.41 g (20%)	Beta carotene	5.7 mg
Methionine (MET) **	0.09 g (13%)	Xanthophylls	25.5 mg
Phenylalanine (PHE) **	0.19 g (18%)	- of which lutein	23.7 mg
Proline (PRO)	0.20 g	- of which astaxanthin	1.2 mg
Serine (SER)	0.17 g		
Threonine (THR) **	0.18 g (17%)		
Tryptophan (TRP) **	0.08 g (29%)		
Tyrosine (TYR)	0.12 g		
Valine (VAL) **	0.25 g (14%)		
** Essential amino acids	1.81 g		
Total amino acids	4.07 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.

