



# Spirulina glycerin Extract

Item code: F36

Due to its high proteins, amino acids content and other actives compounds antioxydants , this extract is perfectly adapted for creating anti-aging skin care products. Spirulina is a blue algae due to the presence of both chlorophyll (green) and phycocyanin (blue) pigment. Phycocyanin is the main active ingredient of spirulina.



## ANTI-AGEING PRODUCT

Free radicals scavengers cause dermal connective tissue damages (collagen synthesis, DNA mutations, protein oxidation). Oxidation induces inflammation of the skin. Chronic inflammation can negatively affect the health of the skin and even accelerate skin's aging.

Several studies have show that Spirulina has an outstanding **antioxydant** activity and **anti-inflammatory** activity. Phycocyanin contain in spirulina explain this activity. Phycocyanin shows anti-inflammatory activity in four experimental models of inflammation. Its antioxidative and oxygen free radical scavenging properties may contribute, at least in part to it anti-inflammatory activity.

It's amazing richness in amino acid also lead to fight against skin ageing by improving the production of elastin and collagen, two proteins which actively participate in the skin cellular renewling process.



## SPIRULINA ANALYSIS

<b>Organic matter</b>	<b>93-95 %</b>	<b>Mineral matter</b>	<b>5-10 %</b>	<b>Ash</b>	<b>6-8 %</b>
Proteins	50-72 %	Magnesium	0,3-0,5 %		
Carbohydrates	8-20 %	Sulphur	1-2 %		
Lipids	2-9 %	Iron	500-2000 ppm		

*These figures come from scientific data and publications.  
They are not to be considered as guaranteed.*



## TECHNICAL DATA

**Extraction rate**                    **3:1**

### Physical data

Aspect	liquid
Colour	colourless
Odour	neutral
Density	1.10 - 1.25
pH	4.0 – 6.0

### Microbiological data

Total aerobic plate count	<100 cfu/g
Yeast & Moulds	<10 cfu/g

### Regulation

INCI : GLYCERIN & AQUA & SPIRULINA MAXIMA EXTRACT

*Spirulina maxima  
is a helicoidal  
filamentous blue-  
green alga  
(cyanobacterium)*



### Storage

Packaging	20 kg
Shelf-life	24 months in unopened original packaging
Conditions	Avoid heat and direct light



LESSONIA – Croas ar Neizig – 29800 St Thonan - FRANCE

Tel 33 (0)2 98 07 23 65 - Fax 33 (0)2 98 07 23 66 - E-mail : info@lessonia.com - http://www.lessonia.com