



Using French cutting-edge technology to revitalize the skin's natural beauty

SilCare™ Microalgae Ferment is a microalgae fermentation active ingredient professionally developed by the French Silia laboratory. This ingredient is extracted from high-quality microalgae produced in the Mediterranean Sea, and combined with French patented technology and efficient yeast fermentation process to enhance its core efficacy, providing the skin with multiple care effects such as anti-inflammatory, soothing, repairing, moisturizing, firming and brightening.

Product Code	12009700
INCI Name	Saccharomyces/Nannochloropsis Oculata Ferment Lysate Filtrate, Glycerin
Application Areas	Face care, body care, scalp care, sun care, lip and oral care, skin microbiome products. e.g. Essence, lotion, cream, facial mask, shampoo, etc.
Application Guide	Water-soluble, add in at the late product stage when the temperature cools down to 45°C
Recommended Dosage	1.0-10.0%
Storage	Cool and dry place, protected from light, room temperature for short term storage, 2-8 °C for long term storage
Shelf Life	2 year
Package	1 kg, 5 kg, 10 kg

A

Healthy skin

Algal resources

Anting

Moisturing agent

Skin whitening

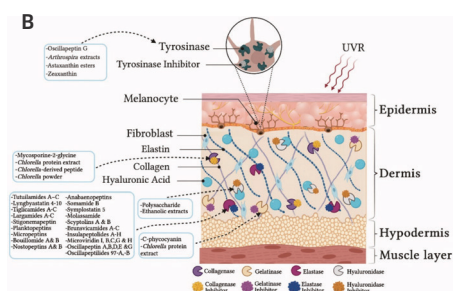
Colorant and anti hair

Sargassum gloeosporum
Chlorella vulgaris
Isochrysis galbana
Arthrospira platensis

Nannochloris oculata
Spirulina platensis
Spirulina poryphy
Ulva lactuca

Fucus spiralis
Padina borealis
Ulvella fenestrata
Turbinaria conoides

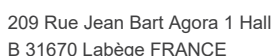
Chlorella vulgaris
Ectocarpus sp.
Porphyridium cruentum
Dunaliella salina



Beneficial effects of microalgae bioactive compounds on the healthy skin structure, with emphasis on (A) the main efficacy of algae compounds and relevant species, (B) targets of cyanobacteria and microalgae bioactive compounds. UVR: ultraviolet radiation (adapted from Favas R et al., Aslam A et al.)

- Rich in vitamins, minerals, proteins and fatty acids, which nourish the skin and support cellular health.
- Offer antioxidant properties, helping to combat free radicals and protect the skin from oxidative stress and UV radiation. Produce hydrating compounds, preventing dryness and promoting smoother skin.
- Demonstrate anti-inflammatory effects, soothing irritated skin and addressing redness or sensitivity.
- Microalgae pigments, such as β -carotene, may provide skin-brightening benefits and aid in reducing hyperpigmentation.

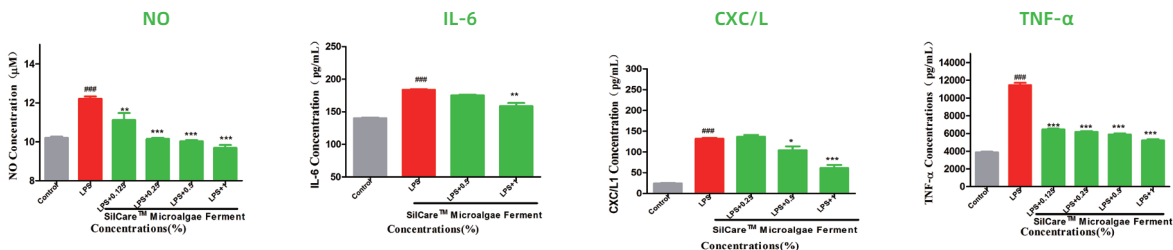
Manufacturer



Export supported by the Occitanie Region,
Innovation supported by the Occitanie Region.

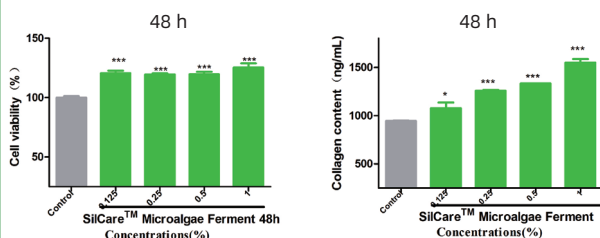
Efficacy Tests

Anti-inflammatory — effectively reduces the release of pro-inflammatory cytokines



Effect of SilCare™ Microalgae Ferment on the in vitro release of pro-inflammatory cytokines from RAW264.7 cells (###p<0.001 vs. control, ***p<0.001, *p<0.05 vs. LPS)

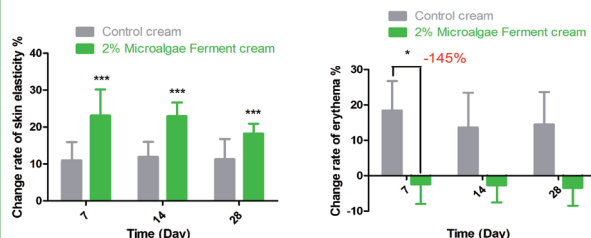
Strengthens the skin barrier — promotes fibroblast proliferation and collagen synthesis



Promotion effect of SilCare™ Microalgae Ferment on fibroblast proliferation and collagen synthesis (***p<0.001, **p<0.01, *p<0.05 vs. control)

Clinically tested — improves skin elasticity, reduces redness and enhances overall skin texture

23 female volunteers aged 20-55 were selected and divided into two groups; the test group applied 2% SilCare™ Microalgae Fermentation Essence Cream in twice a day, and the control group applied the control cream at the same time; test site: face (right and left sides); test apparatus: VisioFace 1000D, ElastiMeter, C-CUBE, Mexameter® MX 18, Skin-Glossymeter GL 200.



Effect of facial cream containing 2% SilCare™ Microalgae Ferment on human skin elasticity and erythema (***p<0.001, **p<0.01, *p<0.05 vs. 0 day/control)

SilCare™ Microalgae Ferment Key Features

French Cosmetic Ingredient:

- **High-quality raw materials:** Silia Laboratories is one of the world's leading manufacturers of cosmetic active ingredients, known for its use of high-quality raw materials (microalgae) produced locally in Europe.
- **Patented technology:** the products are developed through an innovative program supported by the French region of Occitanie, with a technology platform that holds several patents.
- **Green:** the use of renewable microalgae resources and a highly efficient yeast fermentation process, resulting in low energy consumption and zero waste emissions.

All-round skin care:

- **Strong moisturizing:** Clinical tests have shown that 2% of SilCare™ microalgae fermentation product has excellent moisturizing properties.
- **Anti-inflammatory:** Significantly reduces the release of pro-inflammatory factors (e.g. TNF-α and IL-6), relieving skin sensitivity and redness.
- **Skin Repairing & Firming:** Promotes fibroblast proliferation and collagen synthesis to strengthen the skin barrier.
- **Probiotic Potential:** Helps to balance the skin's micro-ecology, promoting the growth of beneficial bacteria and inhibiting the reproduction of harmful bacteria.
- **Antioxidant:** Contains unsaturated fatty acids and other active substances that effectively scavenge free radicals and protect the skin from oxidative stress and UV damage.

Distributor



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