



MICROALGAE ACTIVES

Sustainable Solutions to Reveal your Natural Beauty



BLUE
COSMETICS



Sustainable



Safe



Ecofriendly



Green Energy



Minimal CO₂
Footprint



Modern Patented
Technology

The dominant and future innovation for
the cosmetic industry

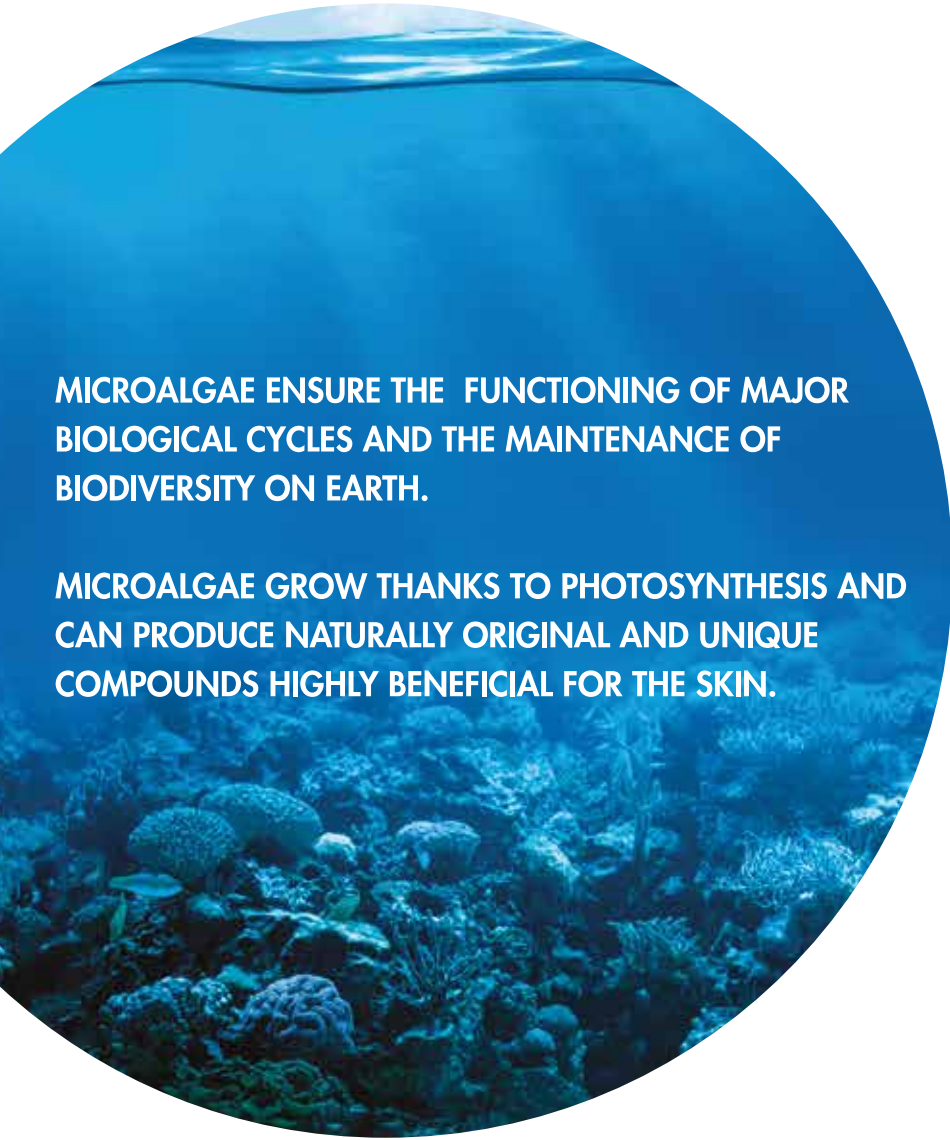
www.natura-tec.com



NATURA-TEC[®]
FRENCH RIVIERA

MICROALGAE ENSURE THE FUNCTIONING OF MAJOR BIOLOGICAL CYCLES AND THE MAINTENANCE OF BIODIVERSITY ON EARTH.

MICROALGAE GROW THANKS TO PHOTOSYNTHESIS AND CAN PRODUCE NATURALLY ORIGINAL AND UNIQUE COMPOUNDS HIGHLY BENEFICIAL FOR THE SKIN.



MICROALGAE TECHNOLOGY

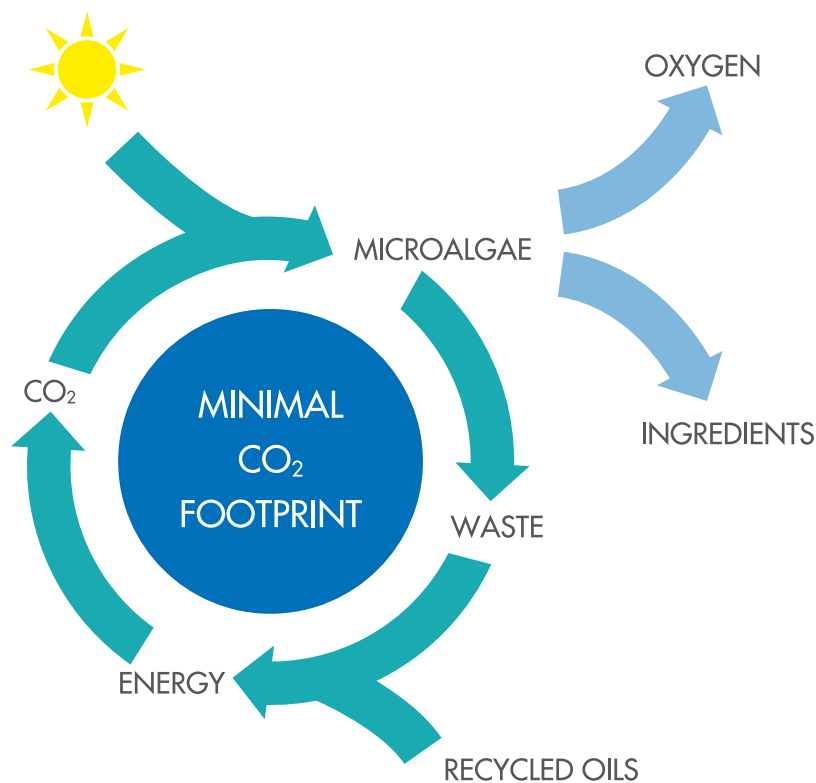


Our modern patented technology allows us to obtain specific species in sufficiently large quantities to satisfy the formulator's needs by controlling the farming environment and ensuring true sustainability and safety.

An important step in the production phase is the use of green energy produced by a closed circuit waste recycling system where the resulting CO₂ is purified and fed as an essential metabolic element to

the microalgae ensuring the whole process has the lowest possible carbon footprint.

This eco-friendly process makes our greenhouse an advanced sustainable production unit and energetically independent. In addition, the carefully controlled greenhouse system allows isolation from external contaminant whilst exploiting the most favorable climate and sunlight conditions of the Mediterranean thanks to its geographical location.





100% SUSTAINABLE

Direct conversion of solar energy and CO₂ into biomass.
No chemical processes - No agrochemicals - No pollutants
Main platform to sustain interest in the use of innovative actives based on microalgae.



100% RENEWABLE ENERGY

Autonomous manufacturing plant for energy consumption thanks to transformation of waste into electricity performed by on-site powerstation.



100% RECYCLING WASTE

Waste of vegetable oils and microalgae biomass production are recycled in an on-site powerstation to produce safe energy and feed microalgae with CO₂.



98% WATER SAVING

Reuse of almost all the process water required for the production of microalgae biomass to maintain integrity and quality of the farming environment.



MINIMAL CARBON FOOTPRINT

Photosynthesis converts water and anthropogenic CO₂ (from recycling waste) into carbohydrates and lipids which in turn can be exploited as raw material for natural active ingredients resulting in a substantially Minimal Carbon Footprint.

Natura-Tec Marine BlueVital C™

POWERFUL ANTI-WRINKLE ACTIVE



IDENTITY

INCI: Caprylic/Capric Triglyceride (and) Cylindrotheca Fusiformis Extract

DESCRIPTION: Liposoluble liquid active

APPEARANCE: Deep yellow to brown orange liquid

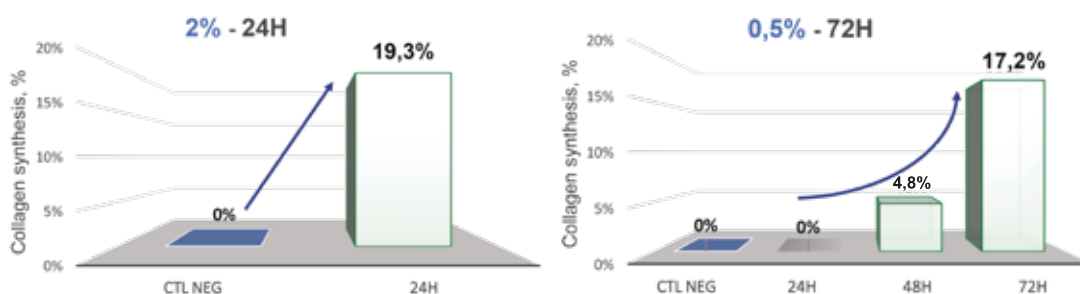
DOSAGE: 0,2 – 2%

EFFICACY

In-vitro study

STIMULATION OF COLLAGEN SYNTHESIS

Measurement of collagen synthesis in dermal fibroblasts exposed to 2% and 0,5% of **Natura-Tec Marine BlueVital C** for 24H and 72H respectively.



Results:

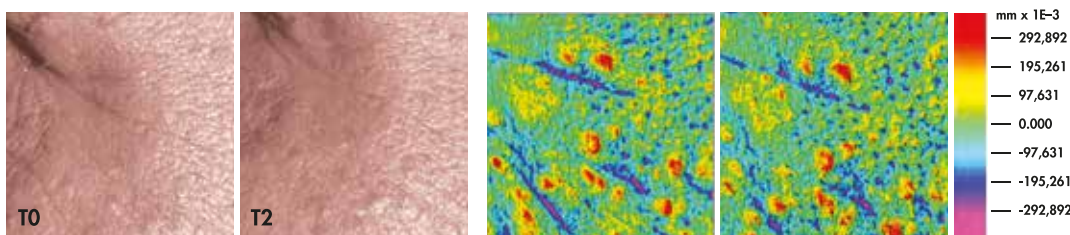
Natura-Tec Marine BlueVital C has an immediate and excellent efficacy on collagen synthesis.

Highly effective active : increase of 19,3% of collagen synthesis with 2% of use in 24H and almost the same collagen production with 0,5% over a slightly longer period.

In-vivo study

REDUCTION OF WRINKLE DEPTH AND VOLUME

Assessment of the anti-wrinkle effect after application of a cream containing 1,5% of **Natura-Tec Marine BlueVital C** for 2 months — Derasurf software analysis — 21 volunteers from 35 to 55 years old.



Results:

Decrease of **10,4% of wrinkle depth** and **12% of wrinkle volume** with a cream containing 1,5% in 2 months.

In the same time, volunteer panel confirm an **improvement** of the elasticity, **hydration and softness** of the skin.

Natura-Tec Marine BlueVital C strongly stimulates collagen synthesis.

Natura-Tec Marine BlueVital C reduces wrinkle depth and volume providing plumping effect.

Natura-Tec Marine BlueRevelation™ 50+



REVEALS THE NATURAL GLOWING BEAUTY OF MATURE SKIN

IDENTITY

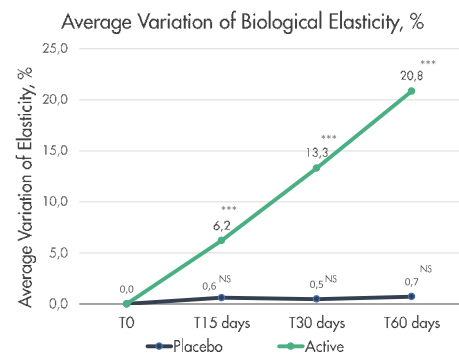
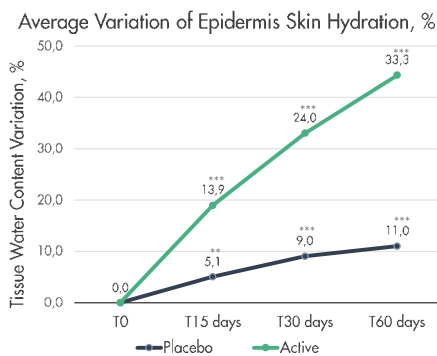
INCI: Triolein (and) Cyindrotheca Fusiformis Extract (and) Nannochloropsis Oceanica Extract
 DESCRIPTION: Liposoluble liquid active
 APPEARANCE: Deep yellow to brown
 DOSAGE: 0,5 - 3%

EFFICACY

In-vivo study

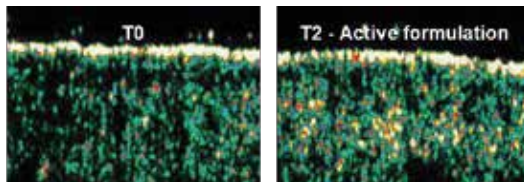
EFFECT ON MATURE SKIN BEAUTY

In vivo evaluation of skin hydration, elasticity, density and wrinkles visibility with **Natura-Tec Marine BlueRevelation 50+**, at 1,5% in a basic formulation, compared to a placebo, tested on 30 volunteers of 50+ years old.



Results: After 2 months, skin hydration significantly increases by 33% and up to 55% for the best volunteers, and skin elasticity by 20% and up to 35% for the best volunteers.

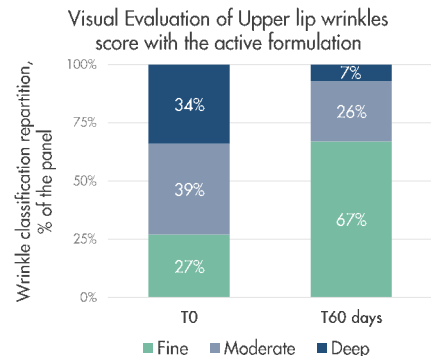
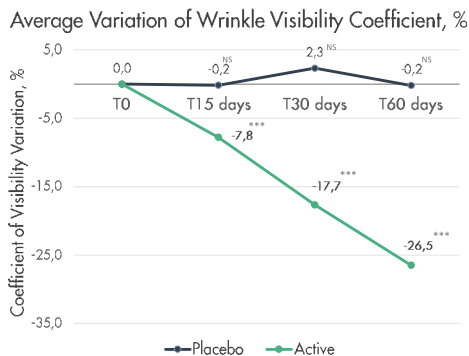
Skin density evaluation by echogenicity measurement:



Visual wrinkle reduction:



After 2 months, concentration of collagen, elastin and skin nutrients significantly increases, leading to an improvement of skin density (reduction by 17,5% of black areas without collagen).



After 2 months, wrinkles' visibility significantly reduces by more than 26% and up to 40% for the best volunteers. Intensity and number of moderate and deep wrinkles are reduced, turning them into fine wrinkles with a particular efficacy on the upper lip wrinkles.

Natura-Tec Marine BlueRevelation 50+ is a powerful cocktail of microalgae, providing an integrative approach to enhance mature skin beauty thanks to its remarkable ability to hydrate, firm, densify and smooth mature skin.

Natura-Tec Marine CellShield AP™



ANTI-POLLUTION AND ENVIRONMENTAL STRESS DEFENSE ACTIVE

IDENTITY

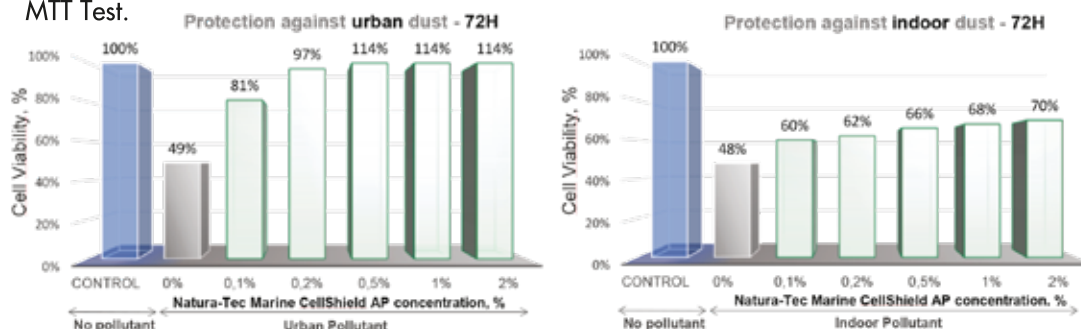
INCI: Caprylic/Capric Triglyceride (and) Pavlova Lutheri Extract
DESCRIPTION: Liposoluble liquid active
APPEARANCE: Deep yellow to brown-orange liquid
DOSAGE: 0,2 – 2%

EFFICACY

In-vitro study

PROTECTION FROM INDOOR AND URBAN POLLUTION

Measurement by photometry of cell viability of epidermal keratinocytes (NHEK) under pollutant exposure - indoor or urban dust - with **Natura-Tec Marine CellShield AP** from 0,1% to 2% - MTT Test.



PRESERVING ENERGETIC METABOLISM



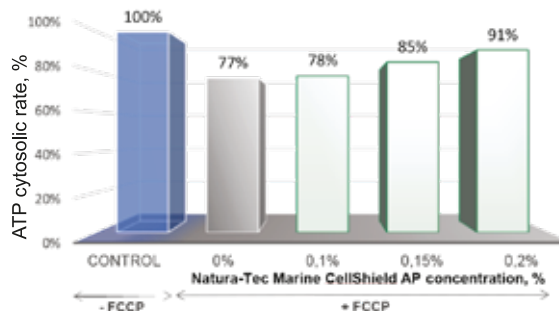
Mitochondria: Site of energetic metabolism, intracellular organelles, power plant of the cells, providing energy to cells to function and survive.

Energetic metabolism: Conversion of the energy of the organic molecules into ATP, energy usable by the cell to power the biological processes.

Mitochondrial membrane potential: Electrochemical gradient located in the mitochondrial inner membrane ensuring ATP production.

ATP cytosolic rate and mitochondrial membrane potential measurement in dermal fibroblasts (NHDF) under stress conditions (+ FCCP: carbonylcyanide p-trifluoromethoxyphenylhydrazone) with **Natura-Tec Marine CellShield AP** from 0,1% to 0,2%.

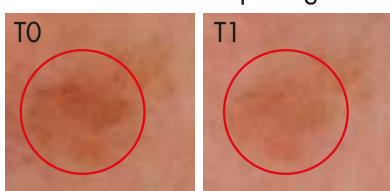
Results: With 0,2% of use, both processes increase significantly. **Natura-Tec Marine CellShield AP** restores cellular homeostasis under stress conditions.



In-vivo study

SKIN HOMOGENEITY IMPROVEMENT, REDNESS AND DARK SPOT REDUCTION

Skin tone effect evaluated after application of a cream with 1,5% of **Natura-Tec Marine CellShield AP** during 1 month – 20 volunteers from 44 to 75 years old – Quantitative colorimetric and morphological analysis by FRAMESCAN.



Results:

Skin homogeneity is increased by **10%** and skin spot surface is decreased by **34,8%** with a maximum up to 60%. Skin complexion is more uniform and redness is reduced.

Natura-Tec Marine CellShield AP shows a strong protective action against environmental stress which preserves skin functionality and energetic metabolism providing a superior skin tone.

The Art of Nature
...transform your ideas into reality and let nature be your art



a company of the APG Group



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