



## **NATURA-TEC MARINE BLUEVITAL C**

### **Anti-wrinkle active**

### **PROPERTIES**

**NATURA-TEC MARINE BLUEVITAL C** is an advanced and highly effective active ingredient obtained by our Bio-Technology Center via sophisticated cultivation and extraction techniques of **MICROALGAE** organisms.

**MICROALGAE** represent 99.9% of marine organisms and are the first link in the energy chain of the oceans. They ensure the functioning of major biological cycles and the maintenance of biodiversity on earth.

**MICROALGAE** are produced with an industrial photo-bioreactor system, geared by an integrated self-contained and sustainable energy process.

Despite their small size, micro-algae offer an impressive concentration of beneficial ingredients for the skin. Based on cylindrotheca diatoms, **NATURA-TEC MARINE BLUEVITAL C** is a concentrate of carotenoids, essential fatty acids and sterols with proven anti-wrinkle activity.

**NATURA-TEC MARINE BLUEVITAL C** is a powerful anti-wrinkle active, which strongly stimulates production of structural skin proteins.

In vitro tests showed the capacity of our **NATURA-TEC MARINE BLUEVITAL C** to stimulate cellular proliferation and ex-novo synthesis of collagen. The treatment of skin fibroblasts with **NATURA-TEC MARINE BLUEVITAL C** significantly increased collagen synthesis by **+19,3% at 2%, in only 24h**, compared to an untreated control cell culture.

Already at 0,5%, there is a gradual increase of up to **+17,2%** of the collagen synthesis after 72h, compared to untreated cells.

In vivo tests carried out with a formulation containing 1,5% of **NATURA-TEC MARINE BLUEVITAL C**, show a significant and visible anti-wrinkle activity. In 2 months **the wrinkle depth decreases by 10,4%, and the wrinkle volume decreases by 12%** when compared to skin condition before treatment.

Additionally, the volunteer panel confirmed a dramatic improvement of the elasticity, hydration and softness of the skin.

**NATURA-TEC MARINE BLUEVITAL C** is a key ingredient that helps strengthen skin while restoring its natural suppleness, radiance and beauty.

### **COSMETIC APPLICATIONS**

Advice for use : Introduce at the end of the formulation either in O/W or W/O system during the cooling step.

Skin care (0,2 – 2,0%) Anti-ageing and moisturising creams, daily cream  
In all kind of products (sun care, make up ...) for a "Blue" anti-ageing / anti-wrinkle claim.

### **TECHNICAL DATA**

Appearance: Yellow to orange liquid

INCI Caprylic/Capric Triglyceride (and)  
Cylindrotheca Fusiformis Extract