



Melatonin ampoules contains next active ingredients:

#### **MELATONINA:**

Melatonin is very well-known hormone responsible for the regulation of the sleep-wake cycle. Its production increases with evening darkness promoting a healthy sleep and is inhibited with the presence of light.

We can find this hormone in different human organs: intestine, thyroids, lungs and also in the skin. Melatonin levels decrease with the age.

At the skin level, melatonin regulates the enzyme synthesis responsible for oxidative damage stimulating the antioxidant

defences.

When topically applied, melatonin acts during sleep improving the reparation processes. Additionally, this hormone has antiaging properties due the protection generated against oxidative stress.

#### **PURIFIED MARINE COLLAGEN**

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It is a **very high concentration collagen, (5.00 to 7.00%)**, from marine origin high purity, with less than 1% of non-collagenous proteins.

**Collagen is a fibrous protein**, which is the main constituent of **connective tissue**. It is the most important protein in the human body, accounting for over 30% of total protein and 70% of skin proteins.

Native collagen in cosmetic preparations is not able to penetrate the skin. But thanks to the enzymes of the skin or via the sebaceous glands, it is possible to use fragments or to **assimilate the applied collagen**. Thus, the amino acids analogous to those normally found in the skin can be distributed and metabolized by fibroblasts.

**The dermis is composed mainly of collagen**, which acts on the skin as a structural protein.

- ✓ it has a **tensor effect** thanks to its ability to form a **protective film**. It is able to **smooth the skin lines giving a feeling of smoothness**. It also increases the **protection** of the skin against **environmental damage**.
- ✓ **Helps restore collagen in the dermis**, providing the fibroblasts with amino acids that are able to metabolize.
- ✓ **Strengthens the hydrolipid barrier**, maintaining hydration and skin tone.
- ✓ **The film-forming effect**, helping dry and mature skin to defend itself against environmental agent's attacks, especially against UV exposure.
- ✓ Increases tone and restructures the elastic surface morphology of skin microrelief.
- ✓ Due to its hygroscopic function, it has an important capacity of hydration and reparative and protective effects.

#### **PURIFIED MARINE GLYCOGEN**

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**Glycogen provides the necessary substances to restore the energy of epidermal cells and stimulate cellular metabolism.**

It has a protective, regenerative and restorative function, it is a specific energizer with revitalizing, regenerating and strengthening effects.

Reinforces epidermal defense and its restorative capabilities.

Glycogen is a reserve polysaccharide, constituted from glucose molecules. It helps decrease the damage that occurs in the stressed skin, increasing oxygen consumption in epithelial cells. Glycogen is one of the main energy sources for cellular activity and metabolism. It is a source of energy reserve since it is stored for later use when necessary.

The energy obtained from glycogen is used for cell defense and restoration.

**Increases oxygen consumption in cells helps fight cell stress.**