

COBIOWHITE

Lighter and healthier skin

INCI NAME:

Aqua, Glycerin, Polysorbate 20, Hamamelis Virginiana Leaf Extract, Coriandrum Sativum Fruit Extract, Olea Europaea Fruit Extract

DOSE OF USE:

0,5 – 2%

SOLUBILITY:

Hydro-soluble

PRESERVATIVE:

Preservative free

COSMETIC USE:

- › Whitening treatments
- › Photo-aging, brightening/lightening care
- › Anti-age spot treatment
- › Anti-oxidant
- › Anti-aging and firming

DESCRIPTION:

COBIOWHITE is a **botanical extract** with **whitening** and antioxidant activity.

COBIOWHITE has shown to **inhibit melanogenesis** and **tyrosinase activity** in human melanocytes. Its regular use has also demonstrated to **reduce dark spots size** in volunteers.

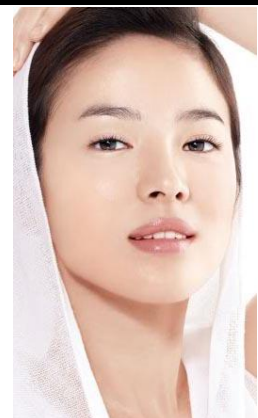
Ingredients with **antioxidant activity** increase the **whitening efficacy** of cosmetic formulations. **COBIOWHITE** showed a **potent antioxidant capacity** reducing **stress-induced reactive oxygen species (ROS)** in keratinocytes.

As a **complementary activity**, **COBIOWHITE** prevents collagen and elastin degradation by inhibiting Matrix metallo-proteinases (MMPs) which is indicative of a **potential firming, anti-aging and anti-wrinkle activity**

PROPERTIES:

The **synergistic approach** of **COBIOWHITE** makes it an ideal cosmetic active to **reduce dark spots** in aged skin:

- 1) -55 % Anti-tyrosinase and melanin activity**
- 2) Anti-Oxidant Activity:** Reducing ROS production in keratinocytes.
- 3) Anti-matrix metalloproteinase's activity:** Inhibits MMP9, MMP2 in fibroblasts, collagen and elastin degradative enzymes which contribute to the **deterioration of the extracellular matrix** resulting in wrinkles and skin age.
- 4) In-Vivo Whitening Activity:** After a twice-daily treatment during 56 days with 1% **COBIOWHITE**, volunteers showed:
 - 21% Skin melanin reduction
 - 25% Dark spot lightening
 - Hyperpigmentation reduction in **80% of the volunteers**
 - Spot size and shape decreased in **75 % of the volunteers**



Volunteer visioface images after 14, 28 and 56 days of twice-daily treatment with 1% **COBIOWHITE** shows the improvement and lightening of the cheek spot.

N a t u r a l l y E f f e c t i v e