# 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:

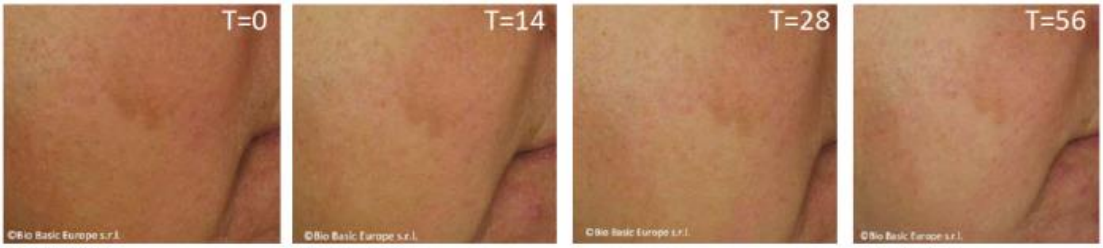
**-21% Skin melanin reduction**
**-25% Dark spot lightening**
**-Hyperpigmentation reduction in 80% of the volunteers**
**-Spot size and shape decreased in 75 % of the volunteers**












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

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50 years COBIOSA NATURALLY EFFECTIVE