

Omega-CH-Activator[®] F

Description

Omega-CH-Activator[®] F contains a mixture of amino acids, free radical scavengers and peptides, entirely of plant or synthetic origin. A specific tripeptide resembles a peptide sequence of collagen and is responsible for the superoxide dismutase activity. Omega-CH-Activator[®] F increases the cell metabolism and as a potent antioxidant it protects the skin from radicals. It is not only regenerating and protecting the skin, but it is also increasing hydration and is taking care about the water balance of the skin. "C" stands for all the amino acids present in approximately the same concentration like in collagen. "H" stands for the hydration efficacy. "Activator" is obviously coming from its marked efficacy in increasing the metabolic activity in the cells.

Omega-CH-Activator[®] F is a water soluble radical scavenger to protect the skin from environmental impact. It is containing several radical scavengers and quenchers, whereby the copper tripeptide, mimics the superoxide dismutase activity. Copper tripeptide is a multifunctional component, which is naturally present in the body (signal and carrier peptide) and is responsible for stimulation of collagen synthesis, anti-inflammatory actions, accelerated wound healing and tissue repair. The skin remodeling properties of copper tripeptide can even lead to scar and stretch mark removal. Omega-CH-Activator[®] F has a decent efficacy as moisturizer. In addition, it activates the metabolism of cells, e.g. the respiratory oxygen consumption in the cell's mitochondria and consequently increases the production of intracellular adenosine triphosphate which constitutes the biochemical energy or "fuel" for a large number of vital cell functions, such as cell division, synthesis of proteins and cell locomotion. Omega-CH-Activator[®] F is suitable for use in high quality cosmetic products like facial creams, facial masks, ampoules, body lotions, after-sun lotions, after shave products and especially for anti-aging products.

Efficacy

- acts as a moisturizer
- enhances cell viability and cell oxygen consumption
- accelerates wound healing and cell proliferation
- acts as an antioxidant
- reduces wrinkles and fine lines
- minimizes scar tissue
- enhances skin thickness
- reduces environmental skin damages
- enhances hair growth
- remodels the skin
- enhances collagen expression

Appearance

slight yellow solution

INCI

Aqua, Panthenol, Glycerin, Glycine, Sorbitol, Hydrolyzed Soy Protein, Bis(Tripeptide-1) Copper Acetate or Copper Tripeptide-1



Nature needs no cosmetics,
but cosmetics need nature

Omega-CH-Activator[®] F

Registration

CAS-No.:

Aqua.....	7732-18-5
Panthenol.....	81-13-0
Glycerin.....	56-81-5
Glycine.....	56-40-6
Sorbitol.....	50-70-4
Hydrolyzed Soy Protein.....	68607-88-5
Bis(Tripeptide-1) Copper Acetate....	130120-57-9

EC-No.:

Aqua.....	231-791-2
Panthenol.....	201-327-3
Glycerin.....	200-289-5
Glycine.....	200-272-2
Sorbitol.....	200-061-5
Hydrolyzed Soy Protein.....	271-770-5
Bis(Tripeptide-1) Copper Acetate.....	open

Preservatives / Stabilizers

none

Characteristics

water content.....	48 - 55 %
density at 20°C.....	1.08 - 1.15 g/ml
pH-value.....	6.0 - 8.0
total nitrogen.....	2.1 - 2.4 %
amino acids.....	4.8 % (+/- 0.1 %)

Application

daily cosmetic products
creams and lotions
face masks
gels and ampoules
body care
after sun care
after shave

Application concentration

skin care formulation.....0.8 - 5 %

Incorporation

Omega-CH-Activator[®] F should be blended into the water phase at max. 50°C. Omega-CH-Activator[®] F is soluble in water.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Omega-CH-Activator[®] F should be stored in a light protected place at 10 - 25°C.

In closed original containers the shelf life is four years.