Omega-CTP-Active PHE

Description

Omega-CTP-Active PHE contains a mixture of amino acids, free radical scavengers and peptides, entirely of plant or synthetic origin. Omega-CTP-Active PHE 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.

Omega-CTP-Active PHE 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. The amino acids L-arginine and L-proline are important for the water balance of tissue. L-arginine is metabolized to ornithin and urea in the skin and therefore determines the water binding capacity of stratum corneum. In addition, L-arginine is composing and sustaining the epidermal barrier function. By NO production arginine is regulating hemo- and lymph vascular perfusion and is therefore responsible for the distribution of nutrients and fluids in the skin. L-proline has the highest water binding capacity of all amino acids known and is a building stone of collagen. Formulations containing arginine have been tested to have comparable efficacy like urea containing preparations. Omega-CTP-Active PHE 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
- accelerates wound healing and cell proliferation
- acts an an antioxidant
- reduces wrinkles and fine lines
- minimizes scar tissue
- enhances skin thickness
- reduces environmental skin damages
- enhances hair growth
- remodels the skin

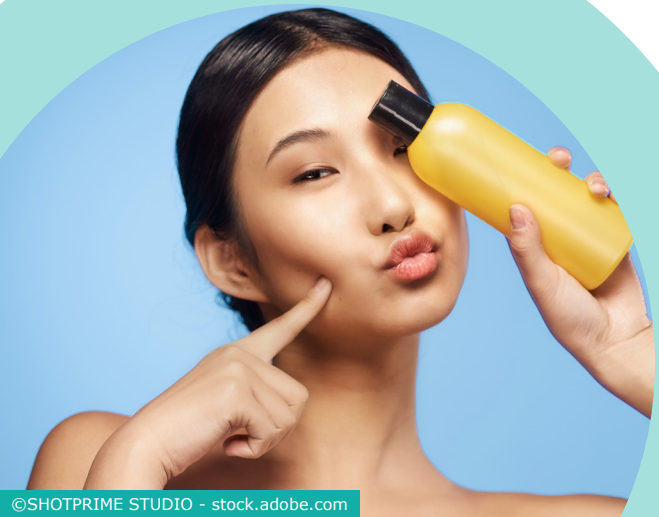
Please have a look at our Leaflet_2999_Efficacy_e for more details.

Appearance

clear, slight yellow solution

INCI

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



Nature needs no cosmetics,
but cosmetics need nature

Omega-CTP-Active PHE

Registration

CAS-No.:
Aqua.....7732-18-5
Glycerin.....56-81-5
Arginine.....74-79-3
Panthenol.....81-13-0
Proline.....147-85-3
Sorbitol.....50-70-4
Glycine.....56-40-6
Hydrolyzed Soy Protein.....68607-88-5
Bis(Tripeptide-1) Copper Acetate....130120-57-9
or Copper Tripeptide-1.....-/-

EC-No.:
Aqua.....231-791-2
Glycerin.....200-289-5
Arginine.....200-811-1
Panthenol.....201-327-3
Proline.....205-702-2
Sorbitol.....200-061-5
Glycine.....200-272-2
Hydrolyzed Soy Protein.....271-770-5
Bis(Tripeptide-1) Copper Acetate or Copper Tripeptide-1.....-/-

Preservatives / Stabilizers

preservative Phenoxyethanol.....0.8 %
stabilizer.....none

Characteristics

water content.....35 - 45 %
density at 20°C.....1.08 - 1.24 g/ml
pH-value.....5.5 - 7.0
total nitrogen.....5.5 - 6.5 %
amino acids.....21.5 % (+/- 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.....1 - 5 %

Incorporation

Omega-CTP-Active PHE should be blended into the water phase at max. 50°C. Omega-CTP-Active PHE is soluble in water.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Omega-CTP-Active PHE should be stored in a light protected place at 10 - 25°C.

In closed original containers the shelf life is five years.

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