

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 anti-oxidant 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.

Appearance

clear, slight yellow solution with a typical odor

INCI

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

Registration

	CAS-No.	EINECS-No.
Aqua	7732-18-5	231-791-2
Glycerin	56-81-5	200-289-5
Arginine	74-79-3	200-811-1
Panthenol	81-13-0	201-327-3
Proline	147-85-3	205-702-2
Sorbitol	50-70-4	200-061-5
Glycine	56-40-6	200-272-2
Hydrolyzed Soy Protein	68607-88-5	271-770-5
Bis(Tripeptide-1) Copper Acetate	130120-57-9	open

Preservatives

Phenoxyethanol.....1 %

Stabilizers

none

Efficacy

- moisturizing efficacy: Application of 3 % Omega-CTP-Active PHE showed an enhancement of skin hydration of 7.4 % compared to placebo after 4 weeks.
 - cell viability: Application of 3 % Omega-CTP-Active PHE showed an enhancement of viability of 8.27 % after 48h compared to reference (100 % viability, PBS) and after 72h viability was even enhanced by 27.69 %.
 - cell proliferation: Application of 3 % Omega-CTP-Active PHE showed a significant enhancement in cell proliferation of 12.77 % after 96h compared to untreated control.
 - anti-oxidative potential: Application of Omega-CTP-Active PHE showed a dose depending reduction of oxidative cell stress:
 - 0.5 % -> 29.58 %
 - 1.0 % -> 33.68 %
 - 2.0 % -> 42.95 %
 - up to 3.0 % -> 56.83 %
 compared to untreated ROS induced positive control.
 - regulating water balance of the skin
 - influencing epidermal barrier function
 - regeneration of skin (increase of cell metabolism i.e. collagen production)
 - skin remodelling
- Please have a look at our Leaflet_2999_Efficacy_e for more details.

Characteristics

water content35 - 45 %
 density at 20°C.....1.08 - 1.24 g/ml
 pH-value.....5.5 - 7.0
 nitrogen.....5.5 - 6.5 %
 amino acids.....21.5 % (+/- 0.1 %)
 metabolic activity.....40 - 60 %
 determination of hydroxyl radicals.....50 - 65 %
 scavenging properties (use 1 %)

