

Peptilash[®] Extend P

Description

Peptilash[®] Extend P is a high-quality water soluble peptide for cosmetic use, especially for hair growth and volume. It is a combination of the famous tripeptide-1 (GHK) and biotin, well known as "vitamin H" important also for hair. Peptilash[®] Extend P promotes hair bulb keratinocyte proliferation. It ensures optimal hair anchorage by stimulating the synthesis and organization of the adhesion molecules laminin and collagen IV. The use of Peptilash[®] Extend P can have positive effects on hair follicles by promoting scalp microcirculation and reducing follicle atrophy and aging. Peptilash[®] Extend P makes the hair easier to comb, smooth, soft, shiny and increases hair in volume. It also helps eyelashes to appear longer, fuller and stronger.

Peptilash[®] Extend P can be incorporated in different kinds of cosmetic formulations. It helps to slow down aging effects by minimizing the production of dihydrotestosterone (DHT) to improve the atrophy of the hair follicle, hence hair fixation, to prevent hair loss. At the same time Peptilash[®] Extend P promotes cell proliferation and differentiation resulting in increased hair growth, improved hair strength and volume. This activity also applies to eye lashes, they appear longer, fuller and stronger. Peptilash[®] Extend P is ideal for use in hair care products including shampoos, conditioners, masks, serum and scalp treatments. Peptilash[®] Extend P is also perfect for use in mascara and eyelash care products.

Efficacy

- helps eyelashes to appear longer, fuller and stronger
- promotes hairbulb keratinocyte proliferation
- ensures optimal hair anchorage
- increases hair growth and volume
- prevents hair loss
- suitable for pre-aging formulations (slows down aging effects)

Appearance

white to off white powder

INCI

Biotinoyl Tripeptide-1

Registration

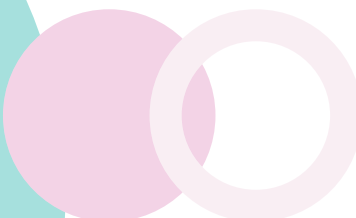
CAS-No.....299157-54-3

EC-No.....-/-

Preservatives / Stabilizers

none

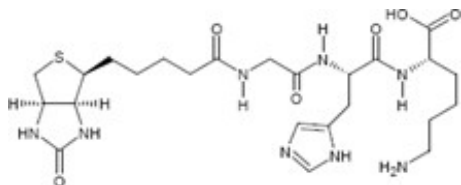
Nature needs no cosmetics,
but cosmetics need nature



Peptilash[®] Extend P

Characteristics

purity (HPLC).....>= 98.0 %
acetic acid (HPLC).....<= 15.0 %
water content (K.Fischer).....<= 8.0 %



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molecular formula.....C₂₄H₃₈N₈O₆S
molecular weight.....566.7 g/mol
synonym.....biotin-GHK

Application

in high quality cosmetic products
creams and lotions
face masks
gels and ampoules

Application concentration

skin care formulations.....0.01 - 1 %
mascara.....0.0005 - 0.01 %
hair care formulation.....0.0005 - 0.01 %

Incorporation

Peptilash[®] Extend P should be blended into the water phase below 40°C.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Peptilash[®] Extend P should be stored in sealed containers at a dry, cool place at 2 - 8°C.

In closed original containers the shelf life is 24 months.