

Peptilash[®] Extend L

Description

Peptilash[®] Extend L is a high-quality solution of biotinoyl tripeptide-1 with panthenol and trehalose for cosmetic use, especially for hair growth and volume. The peptide is a combination of the famous tripeptide-1 (GHK) and biotin, well known as "vitamin H" important also for hair. Peptilash[®] Extend L 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 L can have positive effects on hair follicles by promoting scalp microcirculation and reducing follicle atrophy and aging. Peptilash[®] Extend L 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 L 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 L 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 L is ideal for use in hair care products including shampoos, conditioners, masks, serum and scalp treatments. Peptilash[®] Extend L 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

colourless to pale beige viscous liquid

INCI

Glycerin, Aqua, Panthenol, Trehalose, Biotinoyl Tripeptide-1

Registration

CAS-No.:

Glycerin.....	56-81-5
Aqua.....	7732-18-5
Panthenol.....	81-13-0
Trehalose.....	99-20-7
Biotinoyl Tripeptide-1.....	299157-54-3



Nature needs no cosmetics,
but cosmetics need nature

Peptilash[®] Extend L

EC-No.:

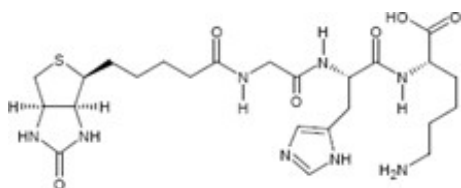
Glycerin.....	200-289-5
Aqua.....	231-791-2
Panthenol.....	201-327-3
Trehalose.....	202-739-6
Biotinoyl Tripeptide-1.....	-/-

Preservatives / Stabilizers

preservatives.....	none
stabilizer:	
Caprylyl Glycol / Ethylhexylglycerin.....	0.5 %

Characteristics

peptide content.....	>= 0.03 %
relative density (d _{20/20}).....	1,195-1,285
refractive index (n ₂₅).....	1,410-1,480



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molecular formula.....	C ₂₄ H ₃₈ N ₈ O ₆ S
molecular weight.....	566.67 g/mol
synonym.....	biotin-GHK

Application

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

Application concentration

skin care formulations.....	1 - 5 %
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Incorporation

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

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Peptilash[®] Extend L 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.