

Peptiboost[®] Youth SL

Description

Peptiboost[®] Youth SL is a mixture of peptides, with synergistically activity in promoting collagen, fibrinogen and hyaluronic acid synthesis. It shows excellent effects from gene activation to protein remodeling. It can help repair visible skin damages and strengthen the skin's underlying supportive elements.

Palmitoyl Tripeptide-1 is a synthetic fatty acid-linked signal peptide containing the peptide sequence of glycine-histidine-lysine (GHK), which acts on the dermal layer. It can promote the synthesis of collagen type I and III, elastin and structural glycoproteins such as laminin and fibronectin. It promotes wound recovery and tissue regeneration as well as reconstruction. Hence, Palmitoyl Tripeptide-1 strengthens the dermal layer, makes the skin firm and relieves wrinkles. Some research has shown that this peptide has similar anti-aging benefits to retinol. Palmitoyl Tetrapeptide-7 is a fragment of immunoglobulin IgG, which has many biologically and immunoregulatory functions. It accelerates the expression of granulocyte chemotactic protein (GCP-2) and promotes wound recovery. The use of Palmitoyl Tetrapeptide-7 will reduce the level of IL6 during aging and re-maintain the cytokine balance in the skin. Thus, it reduces the inflammatory response. Palmitoyl Tetrapeptide-7 stimulates the regeneration of collagen fibers in the dermis by acting as a cellular messenger. It increases the amount of hyaluronic acid in the skin, which can help tighten the skin by attracting moisture to the epidermis. It increases skin elasticity, reduces wrinkles depth, and improves skin texture.

Efficacy

- helps to maintain skin youth
- reduces wrinkles
- improves skin texture
- improves skin elasticity
- stimulates collagen and hyaluronic acid synthesis
- remodels the skin
- promotes wound healing
- reduces inflammations

Appearance

opalescent gel

INCI

Glycerin, Aqua, Butylene Glycol, Sodium Lactate, Carbomer, Polysorbate 20, Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7

Registration

CAS-No:	
Glycerin.....	56-81-5
Aqua.....	7732-18-5
Butylene Glycol.....	107-88-0
Sodium Lactate.....	72-17-3
Polysorbate 20.....	9005-64-5
Carbomer.....	9007-20-9
Palmitoyl Tripeptide-1.....	147732-56-7
Palmitoyl Tetrapeptide-7.....	221227-05-0

Nature needs no cosmetics,
but cosmetics need nature



Peptiboost[®] Youth SL

EC-No:

Glycerin.....	200-289-5
Aqua.....	231-791-2
Butylene Glycol.....	203-529-7
Sodium Lactate.....	200-772-0
Polysorbate 20.....	500-018-3
Carbomer.....	-/-
Palmitoyl Tripeptide-1.....	-/-
Palmitoyl Tetrapeptide-7.....	-/-

Preservatives / Stabilizers

none

Characteristics

pH-value.....	4 - 6
palmitoyl tripeptide-1 (Pal-GHK) (HPLC).....	0.009 – 0.013 %
palmitoyl tetrapeptide-7 (Pal-GQPR) (HPLC).....	0.004 – 0.007 %
glycerin.....	40 - 70 %

Application

daily cosmetic products
creams and lotions
face masks
gels and ampoules

Application concentration

skin care formulations.....3 - 10 %

Incorporation

Peptiboost[®] Youth SL is soluble in water.

It should be blended into the water phase below
40 °C at the post-production stage.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Peptiboost[®] Youth SL should be stored in original
sealed containers at temperature between 2 - 8°C
at a dry and light protected place. Brief exposure
up to 40 °C for max. 3 weeks.

In closed original containers the shelf life is 24
months.