

# Hexapeptide-10

<b>INCI</b>	Hexapeptide-10
<b>Peptide Sequence:</b>	H-Ser-Ile-Lys-Val-Ala-Val-OH
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>53</sub> N <sub>7</sub> O <sub>8</sub>
<b>Molecular weight:</b>	615.77
<b>Cas No.:</b>	146439-94-3
<b>Synonym:</b>	Serilesine
<b>Application:</b>	cosmetics
<b>Packaging:</b>	bottle
<b>Filling quantity:</b>	1 g / bottle 5 g / bottle 10 g / bottle 100 g / bottle special packaging upon request
<b>Storage and shelf life:</b>	cool, dark and clean place -20°C shelf life 36 months 2 - 8 °C shelf life 12 months



# Product Specification

## Hexapeptide-10

Test	Specification	Batch YS201001
Appearance	white or off-white powder	conforms
Identity by HPLC	the retention is same with the reference substance	conforms
Identity by MS	615.77±1	615.8
Solubility	soluble in water (> 1 mg/ml)	conforms
Peptide purity (by HPLC)	> 95 % by area integration	99.76 %
Water content (Karl Fischer)	< 8 %	3.55 %

### Characteristics

Over the years the adhesion between the epidermal and dermal cells is reduced, which results in the loss of skin elasticity. Hexapeptide-10 is from an adhesion sequence of laminin, which restores the cutaneous structure. Hexapeptide-10 is a firming active that promotes a double-cellular activity on both keratinocyte and fibroblast. It increases the synthesis of laminin-5, alpha6-integrin and hemidesmosomes, thus strengthening the dermal-epidermal junction. With Hexapeptide-10, the skin is restructured, replenishes, firmer and more elastic, recovering its fullness

Use level: 0.005 %, maximum 0.05 % (water soluble, optimum pH 5-8)

Hexapeptide-10 can be incorporated in skin redensifying and restructuring formulations. And it should be incorporated at the final stage of the manufacturing product, provided the temperature is below 45 °C.

### Cosmetic benefits

- Redensifying and restructuring effect

