



Caprooyl Tetrapeptide-3

INCI name:	Caprooyl Tetrapeptide-3
Peptide Sequence:	Caprooyl-KGHK
Molecular Formula:	$C_{26}H_{47}N_9O_5$
Molecular weight:	565.71
Cas No.	1012317-71-3
Synonym:	Chronoline
Application:	Cosmetics – anti-aging / anti-wrinkling
Packaging:	bottle
Filling quantity:	1 g / bottle 5 g / bottle 10 g / bottle 100 g / bottle special packaging upon request
Storage and Shelf life:	-20 °C, dark and clean shelf life 24 months and + 2 to +8° C cool, dark and clean shelf life 6 months



Product Spezifikation

Caprooyl Tetrapeptide-3

Manufacturing date: 26.02.2018

Expiry date: 25.02.2020

Test	Specification	Batch No. 20180503
Appearance	white powder	conforms
Identity by HPLC	the retention is same with the reference substance	conforms
Identity by MS	565.74 ± 1	conforms
Solubility	soluble in water	conforms
Amino acid composition	± 10 % of theoretical	conforms
Peptide purity (by HPLC)	≥ 95.0 % by area integration	99.62 %
Water content (Karl Fischer)	≤ 8.0 %	1.38 %
Aceate content	≤ 15.0 %	14.28 %

Characteristics

Caprooyl Tetrapeptide-3 stimulates laminin and fibronectin, thus firmly anchors cells to the matrix for optimal cell function and maintenance of DEJ integrity. Caprooyl Tetrapaptide-3 stimulates both collagen VII and laminin-5 to reinforce the normal structure of the DEJ, preventing the flattening that occurs with aging. (DEJ: Dermis-Epidermis junction)

Use level: 0.001 – 0.02 %

- Laminin-5 anchors the epidermis to the dermis for structural support
- Collagen VII anchors the dermis to the DEJ for mechanical stability of the DEJ
- Fibronectin anchors cells to ECM for cell adhesion

Cosmetic benefits

1. Reduces fine lines & wrinkles after 28 days.
2. Provides a continuous long term reduction of fine lines & wrinkles in mature skin
3. Rejuvenates aging skin
4. Makes the skin smoother, firmer, more even for a younger rested look.
5. Helps reduce the appearance of stretch marks