



## Acetyl tetrapeptide-9

<b>INCI name:</b>	<b>Acetyl tetrapeptide-9</b>
Peptide Sequence:	-
Molecular Formula:	$C_{22}H_{33}N_7O_9$
Molecular weight:	539.55
Cas No.	-
Application:	Cosmetics – skin firmness and thickness
Packaging:	bottle
Filling quantity:	1 g / bottle 5 g / bottle 10 g / bottle 100 g / bottle special packaging upon request
Storage and Shelf life:	2 - 8 °C, dark and clean shelf life 24 months.



## Product Spezifikation

# Acetyl tetrapeptide-9

Manufacturing date: 03.07.2017

Expiry date: 02.07.2019

Test	Specification	Batch No. 20170703
Appearance	white powder	conforms
Identity	539.55 ± 1	539.3
Solubility	soluble in water	conforms
Amino acid composition	± 10 % of theoretical	conforms
Peptide purity (by HPLC)	≥ 95.0 % by area integration	97.26 %
Water content (Karl Fischer)	≤ 8.0 %	1.37 %
TFA content	≤ 15.0 %	13.43 %

### Characteristics

- Improvement of skin support tissues, via the stimulation of the synthesis of collagen I, and one of its anchoring elements: lumican, for a n optical and functional organization of collagen I fibers.
- Increase of dermis density.
- Improvement of skin firmness and thickness, for a total firming/anti-aging effect.

Use level: 0.001-0.002 %