

# Acetyl Tetrapeptide-9

<b>INCI</b>	Acetyl Tetrapeptide-9
<b>Peptide Sequence:</b>	-
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>33</sub> N <sub>7</sub> O <sub>9</sub>
<b>Molecular weight:</b>	539.55
<b>Cas No.:</b>	-
<b>Synonym:</b>	Dermican
<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 24 months 2 - 8 °C shelf life 12 months



# Product Specification

## Acetyl Tetrapeptide-9

Test	Specification	Batch 20170703
Appearance	white powder	conforms
Identity by MS	539.55±1	539.3
Solubility	soluble in water	conforms
Peptide purity (by HPLC)	≥ 95 % by area integration	97.26 %
Water content (Karl Fischer)	≤ 8 %	1.37 %
TFA content	≤ 15 %	13.43 %
Amino acid composition	± 10 % of theoretical	conforms

### 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 %

