



## Acetyl tetrapeptide-5

<b>INCI name:</b>	<b>Acetyl tetrapeptide-5</b>
Peptide Sequence:	Ac-beta-Ala-His-Ser-His-OH
Molecular Formula:	$C_{20}H_{28}N_8O_7$
Molecular weight:	492.5
Cas No.	820959-17-9
Application:	Cosmetics – puffiness under the eyes
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-5

Manufacturing date: 23.07.2017

Expiry date: 22.07.2019

Test	Specification	Batch No. 20170723
Appearance	white powder	conforms
Identity	492.5 ± 1	492.6
Solubility	soluble in water	conforms
Amino acid composition	± 10 % of theoretical	conforms
Peptide purity (by HPLC)	≥ 95.0 % by area integration	99.37 %
Water content (Karl Fischer)	≤ 8.0 %	4.33 %
Acetate content	≤ 15.0 %	11.72 %

### Characteristics

- Acetyl tetrapeptide-5 inhibits collagen glycation avoiding skin losing elasticity and subsequent eyebags formation.
- Acetyl tetrapeptide-5 prevents liquid accumulation in eyebags
- Acetyl tetrapeptide-5 shows a slight lightening effect which decreases dark circles under the eyes.

Use level: 0.01 % (maximum dose is 0.1 %)

### Cosmetic benefits

The draining effect of Acetyl tetrapeptide-5 achieves a reduction of puffy eyebags in only 15 days-fast anti-eyebag action. It can be used in emulsions, gels, sera, etc., for reduction of puffiness under eyes.