

Acetyl Tetrapeptide-5

INCI	Acetyl Tetrapeptide-5
Peptide Sequence:	Ac-beta-Ala-His-Ser-His-OH
Molecular Formula:	C ₂₀ H ₂₈ N ₈ O ₇
Molecular weight:	492.5
Cas No.:	820959-17-9
Synonym:	Eyeseryl
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:	cool, dark and clean place -20°C shelf life 24 months 2 - 8 °C shelf life 12 months



Product Specification

Acetyl Tetrapeptide-5

Test	Specification	Batch 20170723
Appearance	white powder	conforms
Identity by HPLC	the retention is same with the reference substance	conforms
Identity by MS	492.5±1	492.6
Solubility	soluble in water	conforms
Peptide purity (by HPLC)	≥ 95 % by area integration	99.37 %
Water content (Karl Fischer)	≤ 8 %	4.33 %
Acetate content	≤ 15.0 %	11.72 %
Amino acid composition	± 10 % of theoretical	conforms

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 0.1 % (water soluble)

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.

