



Acetyl hexapeptide-51 amide

INCI name:	Acetyl hexapeptide-51 amide
Peptide Sequence:	-
Molecular Formula:	$C_{38}H_{60}N_8O_{12}$
Molecular weight:	819.96
Cas No.	-
Application:	Cosmetics – cell repair, renewal and longevity
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 hexapeptide-51 amide

Manufacturing date: 20.01.2017

Expiry date: 19.01.2019

Test	Specification	Batch No. 20170120
Appearance	white powder	conforms
Identity	819.96 ± 1	819.4
Solubility	soluble in water	conforms
Amino acid composition	± 10 % of theoretical	conforms
Peptide purity (by HPLC)	≥ 95.0 % by area integration	98.40 %
Water content (Karl Fischer)	≤ 8.0 %	3.41 %
Acetate content	≤ 15.0 %	7.25 %

Cosmetic benefits

Acetyl hexapeptide-51 amide is specifically designed to enhance the natural mechanisms to diminish the DNA damage that several factors produce along with the years (UV exposure, radiation, stress DNA replication, diet, ...) protecting genomic integrity. As a result, it is ideal to incorporate into facial and body formulations to enhance cellular protection (from pollution and environment), photoprotection (sun care), stress resistance, cellular longevity and vitality (rejuvenating), as well as global anti-aging treatments and the products especially designed for outdoors sports (environmental protection).

Cellular senescence is reverted, and UV-mediated DNA damage is diminished (-16.6 % in 24 h), all this contributing to achieving a younger look for longer.

Use level: 0.05 % in solution of Butylene glycol and water. For final use in cosmetic formulations 2 % of the solution.