



Palmitoyl tripeptide-38

INCI name:	Palmitoyl tripeptide-38
Peptide Sequence:	Pal-Lys-Met(O ₂)-Lys-OH
Molecular Formula:	C ₃₃ H ₆₅ N ₅ O ₇ S
Molecular weight:	675.96
Cas No.	1447824-23-8
Synonym:	Matrixyl Synthe 6
Application:	Cosmetics - anti-wrinkle, anti-aging formulations
Packaging:	bottle
Filling quantity:	1 g / bottle 5 g / bottle 10 g / bottle special packaging upon request
Storage and Shelf life:	2 - 8 °C, dark and clean shelf life 24 months.



Product Specification

Palmitoyl tripeptide-38

Manufacturing date: 09.09.2020

Expiry date: 08.09.2022

Test	Specification	Batch 2009PT38
Appearance	white powder	conforms
Identity by HPLC	the retention is same with the reference substance	conforms
Identity by MS	675,96 ± 1	conforms
Solubility	soluble in Glycol	conforms
Amino acid composition	± 10 % of theoretical	conforms
Peptide purity (by HPLC)	≥ 95.0 % by area integration	98.96 %
Water content (Karl Fischer)	≤ 8.0 %	4.55 %
TFA content	≤ 15.0 %	10.87 %

Characteristics

Palmitoyl Tripeptide-38 is derived from the tripeptide KMK naturally found in collagen VI and laminins. Palmitoyl Tripeptide-38 stimulates the synthesis of 6 major constituents of skin matrix and dermal-epidermal junction (collagen I, II, IV, fibronectin, hyaluronic acid and laminin5). Palmitoyl Tripeptide-38 rebuilds the skin network that keeps the skin smooth.

Use level: 0.001-0.005 % (maximum dose: 0.02 %, slightly soluble in water)

Cosmetic benefits

Even out skin relief and smoothes wrinkles from the inside by rebuilding the skin where it is needed, particularly on the forehead and crow's feet.