



Decapeptide-12

INCI name:	Decapeptide-12
Peptide Sequence:	H-Tyr-ArgSer-Arg-Lys-Tyr-Ser-Ser-Trp-Tyr-OH
Molecular Formula:	$C_{65}H_{90}N_{18}O_{17}$
Molecular weight:	1395
Cas No.	137665-91-9
Application:	Cosmetics – stop over production of melanin / hence minimize hyperpigmentation
Packaging:	bottle
Filling quantity:	0.1 g / bottle 1 g / bottle 5 g / bottle 10 g / bottle special packaging upon request
Storage and Shelf life:	4 °C, dark and clean shelf life 6 months.



Product Spezifikation **Decapeptide-12**

Manufacturing date: 12.10.2016

Expiry date: 11.10.2018

Test	Specification	Batch No. 20171012
Appearance	white powder	conforms
Identity	1395 ± 1	1395.3
Solubility	soluble in water or 1 % acetic acid	conforms
Amino acid composition	± 10 % of theoretical	conforms
Peptide purity (by HPLC)	≥ 95.0 % by area integration	95.92 %
Water content (Karl Fischer)	≤ 5.0 %	3.7 %
Acetate content	≤ 15.0 %	9.2 %

Cosmetic benefits

Decapeptide-12 was proven to have a strong inhibitory effect on the production of melanin. This unique way of treating hyperpigmentation provides a efficacious way to stop the over production of melanin and hence minimize hyperpigmentation.

Use level: 0.01 %