



## Pentapeptide-34 Trifluoroacetate

**INCI name:** Pentapeptide-34 Trifluoroacetate

Peptide Sequence: N/A

Molecular Formula:  $C_{19}H_{34}N_5O_6$

Molecular weight: 428.53

Cas No. N/A

Synonym: Peptide Q10

Application: Cosmetics – anti-aging, anti-wrinkle, antioxidant

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  
-20 °C shelf life 36 months



## Product Spezifikation

# Pentapeptide-34 Trifluoroacetate

Manufacturing date: 25.09.2017

Expiry date: 24.09.2019

Test	Specification	Batch No. 20170925
Appearance	white powder	conforms
Identity	428.53 ± 1	428.30
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	98.5 %
Water content (Karl Fischer)	≤ 5.0 %	3.04 %
TFA content	≤ 15.0 %	8.92 %

## Characteristics

Pentapeptide-34 Trifluoroacetate is a anti-aging peptide inspired by the antioxidant properties of coenzyme Q10.

- helps enhance natural endogenous synthesis of CoQ10
- helps skin protect against free radicals
- enhances ATP synthesis
- helps diminish the appearance of wrinkles and fine lines

Use level: 0.001 – 0.005 % water soluble (optimum pH: 4-6),  
temperature below 45 °C