

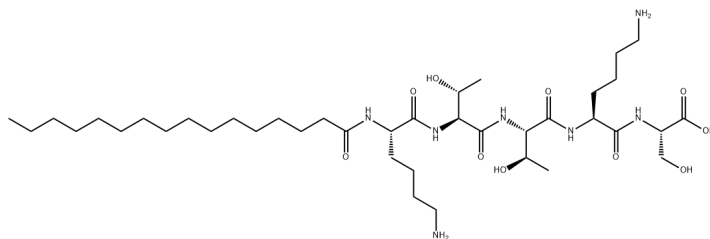
Technical Data Sheet

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Product Name: Palmitoyl Pentapeptide-4 (95% Powder)

INCI Name: Palmitoyl Pentapeptide-4

Structure:



Product Properties:

Molecular Formula: C₃₉H₇₅N₇O₁₀

Molecular Weight : 802.05

CAS Number : 214047-00-4

EINECS : 606-757-9

Specification:

Items	Specifications
Appearance	White Powder
Molecular Weight	802.1±1.0
Peptide Purity (HPLC)	Not less than 95.0%
Related Substance(HPLC)	Total impurities ≤5.0% Largest single ≤2.0%
Water Content (K.F)	≤7.0%
Lead	≤10mg/kg
Arsenic	≤2 mg/kg
Mercury	≤1 mg/kg
Cadmium	≤5 mg/kg
Total Plate Count	≤1000 cfu/g
Yeast & Mould	≤100cfu/g

Palmitoyl Pentapeptide-4 is an efficient anti-aging peptide that stimulates collagen production, reduces fine lines and wrinkles, and is widely used in anti-aging skincare products.

Function:

- ❖ Collagen Promotion: Stimulates fibroblasts in the skin to increase collagen and elastin synthesis, reducing fine lines and wrinkles;
- ❖ Anti-Wrinkle: Reduces the depth and number of existing wrinkles for firmer and more radiant skin;
- ❖ Repair: Promotes skin repair and improves damaged skin barrier function;
- ❖ Moisturizing: Enhances skin hydration and softness by locking in moisture.

Application:

- ❖ Anti-Aging Serums: Used as a key ingredient to reduce wrinkles, recommended concentration of 0.1%-1%;
- ❖ Creams and Lotions: Added to daily moisturizing products to boost anti-aging benefits, suitable for morning and evening use;
- ❖ Eye Care: Incorporated into eye creams to reduce under-eye fine lines and puffiness, enhancing elasticity in the eye area;
- ❖ Repair Masks: Used in repair-focused masks to improve damaged skin and enhance skin barrier function.

Recommended use level: 0.005%-0.5% (Sparingly soluble in water, slightly soluble in oils)

Package:

1g/bottle; Or as per customer requirements.

Storage:

Store at a temperature of 2-8°C, keep sealed and away from light.

Shelf life:

Two years.

Disclaimer:

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