

## Palmitoyl Tripeptide-38

Cat. No. CECF-015

Lot. No. (See product label)

### Introduction

#### Description

Palmitoyl Tripeptide-38 is an advanced skincare ingredient renowned for its powerful anti-wrinkle and firming effects. It is composed of three amino acids and is a doubly oxidized lipopeptide, inspired by a tripeptide naturally found in Collagen V and Laminin. This ingredient works by rebuilding the skin from within, particularly improving forehead lines, crow's feet, frown lines, and neck wrinkles. The anti-aging effect of Palmitoyl Tripeptide-38 primarily stems from its Matrikine action. Matrikines are small peptide molecules that regulate cell activity, stimulating the synthesis of key components of the skin matrix and the dermal-epidermal junction (DEJ) by matrix cells (such as fibroblasts), including: 1. Collagen I, III, and IV: Collagen is the main structural protein in the skin, providing elasticity and strength. 2. Fibronectin: An important matrix protein involved in constructing the extracellular matrix and cell adhesion. 3. Hyaluronic Acid: A potent moisturizer that attracts and retains water, keeping the skin plump and hydrated. 4. Laminin-5: Plays a crucial role in the skin's basement membrane, helping to connect the epidermis and dermis. By promoting the synthesis of these key components, Palmitoyl Tripeptide-38 can reconstruct the skin's network structure, enhancing skin firmness and elasticity, thereby effectively reducing wrinkles and fine lines. Long-term use of skincare products containing this ingredient can significantly improve the overall texture and appearance of the skin, making it look younger and firmer.

#### Applications

It can be used in anti-wrinkle and anti-aging products, skin care products, repair products such as acne products.

### Product Information

**Appearance** Clarified clear liquid

**Form** Liquid

**CAS No.** 1447824-23-8

**Molecular Weight** 675.96

**pH Stability** 3.0-5.0

### Usage and Packaging

**Package** 1kg/bottle

### Storage and Shipping Information

**Storage** Keep sealed, shaded and cool.