

## Technical Data Sheet

# PeptiCure™ (Copper Tripeptide-1)

### Section 1: Manufacturer Information

**Flychem India Pvt Ltd.**

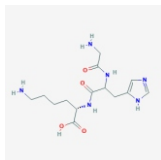
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### Section 2: Identification of Product

**Name** : PeptiCure™ (Copper Tripeptide-1)  
**Synonym** : GHK-Cu  
**Chemical name** : Copper(II) Glycyl-L-histidyl-L-lysine  
**CAS Number** : 89030-95-5  
**Molecule structure** :



**Chemical formula** :  $C_{14}H_{22}N_6O_4Cu$   
**Molecular weight** : 403.93 g/mol

### Section 3: Physical and Chemical Properties

Appearance	Bluish to bluish-purple crystalline powder
Odor	Characteristic odor
Purity (HPLC)	≥99.8%
Clarity of solution	The 0.5% aqueous solution should be clear and transparent
pH(1mg/ml)	5.5-7.0
Moisture	≤4.0%
Cu content	10.0%-16.0%
Chlorine ion	≤10.0%
Maximum impurity	≤1.0%, Calculation by the normalization method of peak area
GHK content	≥65.0%
Lead	≤10ppm

Cd	≤5ppm
Arsenic	≤2ppm
Hg	≤1ppm
Total microbacterial count	≤1000cfu/g
Total yeast & mold	≤100cfu/g
Staphylococcus aureus	Negative
Heat-resistant Escherichia coli	Negative
Pseudomonas aeruginosa	Negative
Shelf life	24 months

## Section 4: Usage

**Benefit** : PeptiCure™ (Copper tripeptide-1) is a highly effective ingredient in personal care formulations, renowned for its multifaceted benefits. It significantly enhances skin firmness and elasticity by stimulating collagen and elastin synthesis, thereby reducing the appearance of fine lines and wrinkles. Its potent anti-inflammatory properties facilitate the repair and soothing of damaged skin, promoting a healthier and more radiant complexion. Furthermore, copper tripeptide-1 accelerates wound healing and minimizes scarring, making it ideal for post-acne treatments. In hair care, it supports follicular health and stimulates hair growth, contributing to a robust and healthy scalp. Overall, copper tripeptide-1 is an invaluable component in advanced skin and hair rejuvenation products.

**Advised usage** : 0.001-0.005%

## Section 5: Packaging

50 gm, 100 gm, 500 gm & 1000 gm

## Section 6: Storage

**Storage conditions:** Should be stored in a cool, dry place, protected from light.

## Section 7: Other Information

**Created date** : 14/05/2024

**Updated date** : NA

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