



Certificate of Analysis

Sample Information

Product Name:	GHK-Cu 10mg
CAS Number:	89030-95-5
Client Name/Lot No:	R-2025-02-012
Sequence:	Gly-His-Lys-Cu (Copper peptide)
Dissolution Condition:	Soluble in sterile 0.9% Sodium Chloride solution or water
Molecular Weight:	498.17 Da
Length:	3 Amino Acids

Test Results

Test Parameter	Specifications	Results
Strength	10.00 mg	10.2 mg
Appearance	White to off-white lyophilized powder	Conforms
Purity	≥98.0%	99.60%
pH value	5.0-6.5	5.2
Single Impurity	≤1.0%	0.40%
Total Impurity	≤2.0%	0.60%

Test Parameters

Parameter	Specification
Pump A	0.1% trifluoroacetic acid in 100% water
Pump B	0.1% trifluoroacetic acid in 100% acetonitrile
Total Flow	1.0 mL/min
Wavelength	220 nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6250mm 5µm)
Dissolution Method	100% H ₂ O
Injection Volume	20 µL

Conclusion

- One 3mL vial contained a white lyophilized powder with a [color] cap, and the analysis confirmed the identity as GHK-Cu, 10 mg.
- The sample was analyzed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% GHK-Cu, with the remainder being minor impurities.

Certified by

Name: Jie Wang

Title: Analytical Chemist

Date: 2025-02-16

