

Certificate of Analysis (COA)

Product Name: GHK-Cu(Copper Tripeptide-1)

Lot No.: 3132157

Sequence: Gly-His-Lys (Cu²⁺ chelated)

Modifications: C-terminal

Storage Conditions: Store in a cool place (8–15°C) at room temperature,Protect from light Keep dry, desiccated environment

Report Date: 19 May 2026

Test Results

Test Item	Specification	Result
Appearance	Blue to blue-violet lyophilized powder	Conforms
Molecular Weight (MS)	403.8 Da ±1.0 Da	403.9 Da
Purity (HPLC)	>98%	99.6%
Retention Time (HPLC)	+0.2 min of standard	Conforms
Copper Content	14.0–18.0%	15.7%
Free Copper Ion (Cu ²⁺)	≤ 0.5%	0.12%
Solubility	Freely soluble in water	Conforms
Acetic Acid Content	≤ 5000 ppm	980 ppm
TFA Content	≤ 50 ppm	8 ppm
DCM Content	≤ 50 ppm	N.D.
DMF Content	≤ 100 ppm	N.D.
Total Aerobic Count	≤100 CFU/g	<10 CFU/g
Yeast & Molds Count	≤10 CFU/g	<10 CFU/g
Endotoxins	≤0.5 EU/mg	<0.05EU/mg