Certificate of Analysis

Product Name	GHK-Cu (Copper Peptide)
Common Name	GHK-Cu Complex (Copper Tripeptide-1)
Batch No.	GC20260920
Date of Producing	2026-09-20
Date of Survey	2026-09-25
Retest Date	2028-09-19
Specification	50 mg / vial (Lyophilized Powder)
Molecular Formula	$C_{14}H_{24}N_6O_4 \cdot Cu$
Molecular Weight	~ 340.8 Da

TEST	SPECIFICATION	RESULT
Appearance	Light blue to blue powder	Conforms
Solubility	Freely soluble in water	Conforms
Assay (by Cu Content, ICP-OES)	95.0% - 105.0%	98.5%
Peptide Purity (HPLC)	≥ 98.0%	99.3%
Related Substances (HPLC)	Total Impurities ≤ 2.0%	0.7%
	Any Single Impurity ≤ 1.0%	0.3%
Water Content (KF)	≤ 5.0%	2.1%
Acetic Acid Residue (HPLC)	≤ 0.5% (if applicable)	< 0.05%
Heavy Metals (as Pb, ICP-MS)	≤ 20 ppm	< 10 ppm
Bacterial Endotoxin	< 10 EU/mg	< 10 EU/mg

Research Enhanced Peptides

Conclusion: This batch of GHK-Cu peptide complex complies with all established specifications for quality and purity.

Notes: for research use only.

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