

Certificate of Analysis

Product	GHK-Cu (Copper Peptide)	CAS No.:	49557-75-7
Product No.:	CU	Molecular Formula	C ₁₄ H ₂₄ CuN ₆ O ₄
Sequence	Gly-His-Lys <i>Copper(II) complex of tripeptide Gly-His-Lys; INCI: Copper Tripeptide-1</i>		
Molecular Weight	403.93	Quantity	250.0g
Batch No.	CU-2603C	Storage Temp.	-20±5°C
Mfg. Date	Dec.19 th , 2026	Retest Date	Dec.19 th , 2028

【ITEMS】		【SPECIFICATIONS】	【RESULTS】
Appearance		Blue to blue-violet powder	Blue to blue-violet powder
Solubility		Soluble in water	Conforms
Solution clarity and color		Clear blue liquid	Conforms
Identification	HPLC	The retention time of the principal peak of the test solution corresponds to that of the reference solution, as obtained in the Assay.	Conforms
	Mass spectrum	403.9±0.5	403.9
Amino acid content		Gly: 0.9~1.1	1.0
		His: 0.9~1.1	1.0
		Lys: 0.9~1.1	1.0
Related substances (HPLC)		Largest single impurity: NMT 1.0%	0.14%
		Total impurities: NMT 2.0%	0.54%
Purity (HPLC)		NLT 99.0%	99.60%
pH		4.0~7.0	5.8
Copper content (Cu)		14.5~16.5%	15.0%
Water content (KF)		NMT 8.0%	4.1%
Peptide content		NLT 80.0%	89.7%
Residual solvent		Acetonitrile NMT 410ppm	265ppm
		Methanol NMT 3000ppm	N.D
		Methyl tert-butyl ether NMT 5000ppm	N.D
Bacterial endotoxins		NMT 10EU/mg	3.8EU/mg
Microbial Limits		Total aerobic bacteria ≤100cfu/g	Conforms
		Mould & Yeast ≤10cfu/g	Conforms
		Bile tolerant enterobacteria: absence in 1g	absent
		Pseudomonas aeruginosa: absence in 1g	absent
		Staphylococcus aureus: absence in 1g	absent
Assay		95.0%~105.0% (Calculated on anhydrous basis)	99.7%
Storage		Keep in tight container, protect from light, store at a temperature of -20±5°C.	
Report		QC01	Date: Jun. 27 th . 2026
Reviewer			Date: Jun. 27 th . 2026
Conclusion: This batch of product complies with Enterprise Standard.			

合格

It is only supplied as chemical product.
It is only for R&D use.