



Certificate of Analysis

Product	Copper peptide(GHK-Cu)	CAS No.:	89030-95-5
Product No.:	100003	Molecular Formula	$C_{14}H_{22}CuN_6O_4$
Sequence	Gly-His-Lys-Cu		
Batch No.	100003-25050701	Quantity	4330.0g
Mfgr. Date	May.06 th , 2025	Retest Date	May.05 th , 2027

【ITEMS】	【SPECIFICATIONS】	【RESULTS】
Appearance	Blue or blue-purple crystalline particles or powder	Blue crystalline particles
Solubility	Easily soluble in water	Easily soluble in water
Identification By HPLC	The retention time of the Copper Tripeptide-1 of the Sample solution corresponds to that of the standard solution	Conforms
Mass spectrum	340.4± 1.0	340.0
Purity(HPLC)	NLT 98.0%	99.8%
pH	5.0-7.0(10mg/ml in H ₂ O)	5.9
Acetic acid	NMT 5.0%	N.D
Water content(KF)	NMT 8.0%	6.6%
Cu⁺ Content	8.0%-16.0%	13.3%
Chloride Content	6.5%-8.5%	6.9%
Peptide content	NLT 70.0%	73.1%



Elemental impurity	Pb NMT 10ppm	N.D
	As NMT 2ppm	0.01ppm
	Hg NMT 1ppm	0.002ppm
	Cd NMT 5ppm	N.D
	V NMT 10ppm	0.005ppm
	Co NMT 10ppm	0.01ppm
	Ni NMT 10ppm	0.20ppm
Residual solvent	Ethanol NMT 5000ppm	N.D
	Triethylamine NMT 5000ppm	N.D
Total Bacteria	NMT 100cfu/g	<10cfu/g
Total number of molds and yeasts	TYMC NMT 100cfu/g	<10cfu/g
Storage	Keep in tight container, protect from light; Short Term:2-8°C ; Long Term:below-10°C	
Conclusion: This batch of product complies with Enterprise Standard.		

It is only supplied as chemical product.

It is only for R&D use.

Reported By: Shijialin Reviewed By: Yuanke Dou Date: 2025.05.16