Copper peptide (100003-25052601)

Product Name:	Copper peptide (GHK-Cu)		
Sequence	**Gly-His-Lys-Cu**		
Batch No.	100003-25052601	**CAS No.**	89030-95-5
Molecular Formula	$C_{14}H_{22}CuN_6O_4$	**Quantity**	60.8kg
Manufacturing Date	May 26, 2025	**Retest Date**	May 25, 2027
Analytical results			
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		339.9
Purity (HPLC)	NLT 98.0%		99.9%
pH	5.5-7.5 (10mg/ml in H_2O)		6.5
Acetic acid	NMT 5.0%		0.19%
Water content (KF)	NMT 8.0%		5.9%
Cu^+ Content	8.0%-16.0%		13.8%
Chloride	6.5%-8.5%		6.9%
Peptide content	NLT 70.0%		73.1%
Elemental impurity	Pb NMT 2ppm		0.004ppm
	As NMT 2ppm		0.031ppm
	Hg NMT 1ppm		N.D
	Cd NMT 5ppm		N.D
	V NMT 10ppm		0.009ppm
	Co NMT 10ppm		0.001ppm
	Ni NMT 10ppm		0.007ppm
Residual solvent	Ethanol NMT 5000ppm		942ppm
	Triethylamine NMT 5000ppm		N.D
Total Bacteria	NMT 100cfu/g		Conforms
Total number of molds and yeasts	TYMC NMT 100cfu/g		Conforms
Storage	Keep in tight container, protect from light; Short Term: 2-8℃; Long Term: below -10℃		
Conclusion	This batch of product complies with Enterprise Standard.		
Note	It is only supplied as chemical product. It is only for R&D use.		