CERTIFICATE OF ANALYSIS

Product: GHK-Cu (50mg/vial)

Peptide Name	GHK-Cu	Molecular Formula	$C_{14}H_{22}CuN_6O_4$
Molecular Weight	401.91	CAS No.	89030-95-5
Lot Number	Cu50-20260803	Specifications	50mg/vial
Manufacturing Date	2026/8/3	Report Date	2026/8/17
Re-test Date	2028/8/2	Storage Condition	-25°C to -5°C (Protect from light)

Tests	**Specifications**	**Results**
Appearance	Blue loose masses or powder,No visible foreign bodies	Conforms
Solubility	Soluble in water	Conforms
Content determination(per vial, HPLC)After conversion	47.5 mg ~ 52.5 mg	50.31mg
Copper ion identification	Positive reaction	Conforms
Purity (HPLC)	≥99.0%	99.42%
Water Content (Karl Fischer)	≤3.0%	2.24%
pH	5.0-7.0	5.9
Copper Content	10%-15%	13.8%
Related Substance (By HPLC)	Total Impurities (%) ≤2.0%	0.58%
	Largest Single Impurity (%) ≤0.5%	0.35%
Residual Solvents	Methanol：≤0.3%	N.D. (Not Detected)
	Acetonitrile：≤0.041%	N.D. (Not Detected)
	Ethyl Acetate：≤0.5%	N.D. (Not Detected)
Heavy Metal	≤10ppm（Pb、As、Cd、Hg）	Conforms
Sterility Test	Aseptic growth should be ensured	Conforms
Bacterial Endotoxin	<5EU/mg	Conforms
Content Uniformity	shall comply with regulations	Conforms
Result(of inspection)	This product was tested according to corporate quality standards, with results conforming to regulations.	

Analyst: Wuyan	Reviewed by: linwenwen	Authorized by: Zhangyiney

For research use only. Direct human application is prohibited.

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