



Shanxi Andasihai Technology Co., Ltd.

Yangquan City, Shanxi Province

worldwidepeptidedistribution@gmail.com

COA No.:26010606

Certificate of Analysis

Product Name	GHK-Cu		cAs No.	49557-75-7
Molecular Formula	C ₁₄ H ₂₂ CuN ₆ O ₄		Molecular Weight	340.38
Structural formula				
Batch No.	CU-260106		Quantity	136.8g
Mfg. Date	2026-01-06		testDate	2028-01-06
Tests	Acceptance Criteria			
Appearance	blue powder			blue powder
Solubility	Can be dissolved to 5mg/ml in distilled water			in forms
Molecular Ion Mass	813.53±1			in forms
Amino Acid Analysis	Ser: 4.0 to 6.0 Gly: 3.2 to 4.8 Asp: 1.6 to 2.4 Glu: 3.2 to 4.8 1.6 to 2.4 Ala: 3.2 to 4.8 Pro: 3.2 to 4.8 Lys: 1.6 to 2.4 Tyr: 1.6 to 2.4 His: 2.4 to 3.6 Leu: 1.6 to 2.4 Phe: 1.6 to 2.4 Val: 0.8 to 1.2			Ser 4.0 GIT: 3.6 Asp: 2.2 Glu: 3.6 Ala: 4.2 Pro: 4.0 Lys: 1.8 24 26 Phe: 2.2 Val: 1.0
	7.0~9.0(C=5mg/ml)			.2
Water Content (K.F)	NMT 8.0%			
Purity (HPLC)	T 98.0%			99.98%
Related substances (HPLC)	The largest individual impurity test NMT 1.0%			.13%
	The total impurities test NMT 2.0%			
Residual solvent (GC)	ethylene chloride	MT 600ppm		
	acetonitrile	MT 410ppm		16ppm
	ethanol	MT 3000ppm		
	-Dimethylformamide	MT 880ppm		.D

	sopropyl ether	MT 5000ppm	
cid group ions (HPLC)		MTO.1%	

1 / 2

	PO,J•	MT0.I%	.D
		MT 0.1%	
	HAC	MT 0.1%	.D
acterial Endotoxins	MT 10 EU/mg		nforms
icrobial Limits	AMC	MT 1000 cfu/g	nforms
		MT 100 cfu/g	nforms
	scherichia Coil presencc	egative	onforms
	almonella	egative	nforms
	.Aeruginosa	egtive	nforms
	.Aureus	egative	nforms
odium ion	MT 5.0%		1.4%
High Molecular Protein	MT 0.50%		
ssay (HPLC)	95.0~105.0%(on anhydrous and salt-free substance basis)		9.9%
epdde Content (Mass Balance)	LT 80.0%		6.08%
nclusion: conformed with the product stand		QUALITY CONTROL	

Smrage Condidons: Keepin Hghtconminer, protect

ft0fi€a pemture of-20±5C.

