

Certificate Of Analysis

Product Name:Copper Tripeptide-1(GHK-Cu)		
CAS No.: 89030-95-5	MF.: C ₁₄ H ₂ N ₆ O ₄ Cu	MW.: Mr=400.91
Batch No.: PG-GHK-25121005	Batch Quantity: 30kg	Test Standard: Enterprise Standard
Sequence: Gly-His-Lys(Cu) ·xHCL		
Test items	Specification	Results
Appearance	Blue to purple powder or crystalline powder	Conforms
Identity By ESI-MS	400.91±1	Conforms
Purity(HPLC)	≥99%	99.92%
Water Content(Karl Fischer)	≤8%	7.6%
Copper Content	10-16%	12.98%
GHK Content	≥70%	76.46%
Chloride Content(IC)	≤10%	5.24%
PH(1mg/ml)	5.5-8	6.41
Solubility	This product should be easily soluble in water	Conforms
Clarity of Solution	The 0.5%aqueous solution should be clear and transparent,there was no obvious flocculent	Conforms
TAMC	≤1000cfu/g	Conforms
TYMC	≤100cfu/g	Conforms
Mercury(Hg)	≤1ppm	Conforms
Lead(Pb)	≤10ppm	Conforms
Arsenic(As)	≤2ppm	Conforms
Cadmium(Cd)	≤5ppm	Conforms

ACN(乙腈)	≤410ppm	N.D
DCM(二氯甲烷)	≤600ppm	N.D
耐热大肠杆菌 Thermotolerant Escherichia coli	不得检出/g	Conforms
金黄色葡萄球菌 Staphylococcus aureus	不得检出/g	Conforms
铜绿假单胞菌 Pseudomonas aeruginosa	不得检出/g	Conforms
Conclusion:	Conforms to all requested specifications	
MFG Date:	Dec 10,2025	
Expiry Date:	Dec 09,2027	

Storage:Keep dry,Away from light and store at 2°C-8°C,long term store at-15°C to-25°C!

Reported By: Zhonghui Liu

Reviewed By: Liangen chan