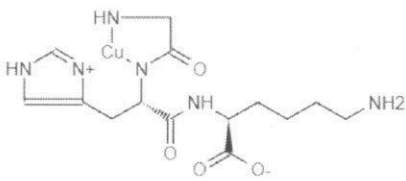


检验报告
Certificate of Analysis

产品名称 Product Name: Copper Tripeptide-1(GHK-Cu)	结构式/分子式/分子量:
CAS No. : 89030-95-5	
批号 Batch No. : 2661251201W	Chemical Formula: C ₁₄ H ₂₁ N ₆ O ₄ Cu
生产日期 Manu. Date: 2025.12.10	MW: 400.91
报告日期 Anal. Date: 2025.12.15	
复验期至 Ret. Date: 2027.12.09	
检验依据 Quality standard: 企业标准 Enterprise standards	

检验项目Test items	标准Standards	结果Results
性状Appearance	蓝色至紫色粉末或结晶粉末 Blue to purple powder or crystalline powder	符合Complies
鉴别 Identification	与对照品谱图一致 In accordance With the Standards	符合 Complies
纯度Purity	≥ 99.0%	99.92%
水分Water	≤ 8.0%	7.6%
含铜量Copper Content	10-16%	12.98%
GHK含量GHK Content	≥ 70.0%	76.46%
氯化物含量Chloride Content(IC)	≤ 10.0%	5.24%
pH(1mg/ml)	5.5-8	6.41
溶解度Solubility	样品应易溶于水 This product should be easily soluble in water	符合Complies
溶液的澄清度 Clarity of Solution	0.5%水溶液应澄清透明, 无明显絮状物。 The 0.5% aqueous solution should be clear and transparent, there was no obvious flocculent.	符合Complies
铅Pb	≤ 10ppm	符合Complies
镉 Cd	≤ 5ppm	符合Complies
砷As	≤ 2ppm	符合Complies
汞Hg	≤ 1ppm	符合Complies
乙腈 (ACN)	≤ 410ppm	未检出ND
二氯甲烷 (DCM)	≤ 600ppm	未检出ND
需氧菌总数 Total Aerobic Microbial Count	≤ 1000cfu/g	符合Complies
霉菌和酵母菌总数 Total Yeasts and Molds Count	≤ 100cfu/g	符合Complies
耐热大肠菌群 Thermotolerant coliforms	不得检出ND	未检出ND
铜绿假单胞菌 Pseudomonas aeruginosa	不得检出ND	未检出ND
金黄色葡萄球菌 Staphylococcus aureus	不得检出ND	未检出ND
贮存条件 Storage condition	保持干燥, 避光储存于2°C-8°C环境中, 长期储存需置于-15°C至-25°C Keep dry, Away from light and store at 2°C- 8°C, long term store at -15°C to -25°C	

结论: 本品按质量标准检验, 符合标准。

Conclusion: This product is inspected according to quality standards, conform to the standards.

检验人: 乔影

复核人: 徐倩

批准人: 马霞