

Current Batch Certificate of Analysis

RESEARCH USE ONLY

Public batch: PEP260704-CU50

Certificate of Analysis

品 名	Product	蓝铜肽 GHK-CU	批 号	Batch	PEP260704-CU50
CAS	No.	89030-95-5	数 量	Quantity	50mg
生产日期	Mfg Date	2026-07-03	复检期	Retest Date	2028-07-02
检验日期	Test Date	2026-07-08	标 准	Standard	In house
包装形式	3ML 西林瓶冻干粉包装				
Packaging	3ML vial lyophilized powder				
TestItem	AcceptanceCriteria			TestResult	
检测 项目	可接受标准			检验结果	
Appearance	Blue-violet powder			Blue-violet powder	
性状	蓝紫色粉末			蓝紫色粉末	
Solubility	Soluble or freely soluble in water			freely soluble in water	
溶解度	在水中溶解或易溶			易溶于水	
Average Molecular Weight	401.91 Da (neutral) [M+H] ⁺ : 402.92 m/z			401.91 Da (neutral) [M+H] ⁺ : 402.92 m/z	
Chromatographic Identification	The retention time of the main peak of Sample Solution should be consistent with that of the Standard solution, as obtained in the Assay 在含量测定项下记录的色谱图中, 供试品溶液主峰的保留时间应与对照品溶液主峰的保留时间一致			Meet the requirement 符合规定	
PH	6.0-8.0			6.7	
Clarity and Color of Solution	Clarity: Clear transparent solution, free from turbidity, precipitate and insoluble particles. 应澄清无色			Colour: Characteristic bright sky blue solution. 符合要求	
Chromatographic Purity	NLT98.0% 不小于 98.0%			99.3%	
Related Substances	Maximum unknown single impurity NMT 0.3% 最大未知单杂不得过 0.3%			0.22%	
High Molecular Weight Proteins	NMT0.8%			0.01%	
Water Content	NMT 5%			2.14%	
水分					

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Heavy Metals 重金属	NMT 10ppm			2ppm	
	Methanol NMT 3000ppm			67ppm	
	甲醇不得过 3000ppm				
	Acetonitrile NMT 410ppm				
	乙腈不得过 410ppm			45ppm	
Residual Solvents 残留溶剂	Dichloromethane NMT 600ppm			9ppm	
	二氯甲烷不得超过 600pp				
	N,N-Dimethylformamide NMT 880ppm			40ppm	
	N,N-二甲基甲酰胺不得过 880ppm				
Microbial Limit 微生物限度	Total Aerobic Microbial Count NMT100 cfu/g 需氧菌总数应不得过 100cfu/g			Meet the requirement 符合要求	
Bacterial Endotoxins 细菌内毒素	<5EU/mg			Meet the requirements 符合要求	
Peptide Content 肽含量	95. 0%~105. 0%(On Anhydrous and Sodium Free) 95. 0%~105. 0%(以无水、无钠离子计)			100. 3%	
Assay 含量	47. 5~52. 5mg			50. 15mg	
Conclusion 结论	Meets specification				