



Xi'an Green Spring Technology Co.,Ltd

Certificate of Analysis

Product Name:	Copper Peptide GHK Cu	Batch No:	GS20230521
CAS:	89030-95-5	Manufacture Date:	05-21-2023
Formula Weight:	401.91	Analysis Date:	05-22-2023
Molecular Formula	C ₁₄ H ₂₂ N ₆ O ₄ .Cu	Application:	Cosmetic
Representative Qty:	2000g	Expire Date:	05-20-2025
Sequence:	Gly-His-Lys.Cu.xHac		
Analysis Item			
Specification		Result	
Appearance	Blue to purple powder	Conforms	
Identification by HPLC	The retention is same with the reference substance	Conforms	
Identification by MS	401.91 ±1	401.05	
Solubility	≥100mg/ml(H ₂ O)	Conforms	
Peptide purity (By HPLC)	≥99.0%	99.54%	
Water Content (Karl Fischer)	≤8.0%	4.77%	
Copper Content	8-16%	13.30%	
pH (1% water solution)	6.0-8.0	6.61	
GHK Content	65-85%	70.85%	
Acetic Acid Content	≤15.0%	9.39%	
Conclusion	Test result is confirmed to the specification and qualified		
Storage: Cool and dry place at 2-8℃, protected from light, keep package airtight when not in use. Please store -20℃ for long term storage.			
Packing: 1g/bottle, 10g/bottle, 100g/bag.			
Shelf Life: 2 years when properly stored.			
Statements: Products is Non-Irradiated & Non-GMO.			

QC: Liang Yan

