



# Xi'an Green Spring Technology Co.,Ltd

## Certificate of Analysis

Product Name:	Copper Peptide GHK Powder	Batch No:	G520231125
CAS	89030-95-5	Manufacture Date:	11-25-2023
Formula Weight	401.91	Analysis Date:	11-25-2023
Molecular Formula	C <sub>14</sub> H <sub>22</sub> N <sub>6</sub> O <sub>4</sub> .Cu	Application:	Cosmetic
Representative Qty:	1000g	Expire Date:	11-24-2025
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 <sub>2</sub> O)	Conforms	
Peptide purity(By HPLC)	≥99.0%	99.54%	
Water Content (Karl Fischer)	≤8.0%	4.77%	
Copper Content	8-16%	3.30%	
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

