



# Xi'an Green Spring Technology Co.,Ltd

## Certificate of Analysis

Product Name:	GHK Cu Powder	Batch No:	GS20230521
CAS:	89030-95-5	Manufacture Date:	05-21-2023
Formula Weight:	401.91	Analysis Date:	05-22-2023
Molecular Formula	C <sub>14</sub> H <sub>22</sub> N <sub>6</sub> O <sub>4</sub> .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 <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%	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

