

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	GHK-Cu
Lot No.:	VI620260401-50
Sequence:	Gly-His-Lys-Cu
Modifications:	N/A

Quality Control

Test Items	Specifications	Results
Appearance	Blue lyophilized powder	Blue lyophilized powder (Conforms)
Molecular Weight (MS)	401.91±1.0 Da	340.10 (401.91-Cu ²⁺) Da
Purity by HPLC	>98%	99.4%
Retention Time (HPLC)	±0.2min of Standard	Conforms
Assay	80.0% ~ 120.0%	119.5%
Solubility	50mg/1ml H ₂ O	Clearly soluble
Acetic Acid Content	≤15.0%	12.8%
TFA Content	≤0.500%	Conforms
DCM Content	≤0.060%	N.D.
DMF Content	≤0.088%	0.017%
Total Aerobic Count	≤100CFU/g	Conforms
Yeast & Molds Count	≤100CFU/g	Conforms
Endotoxins	≤0.5EU/mg	Conforms

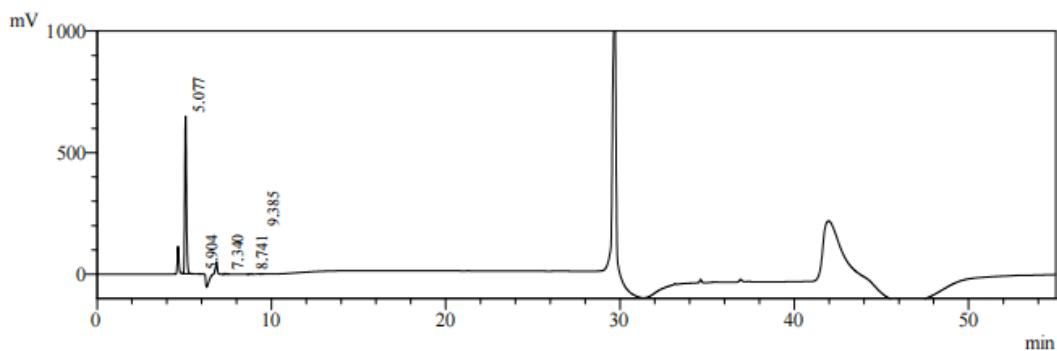
Storage Conditions: -20°C.

Date of Mfg: 01 Apr 2026

Sample Information

Lot. No	VI620260401-50
Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	0.6ml/min
Wavelength	215nm
Analytical column type	Inertsil ODS-3;4.6*250mm*3um
Dissolution method	100%H ₂ O
Acquisition Time	2026/04/03 12:48:27
Inj. Volume	10ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	5
20.00	Pumps	B.Conc	15
25.00	Pumps	B.Conc	90
35.00	Pumps	B.Conc	90
36.00	Pumps	B.Conc	5
55.00	Controller	Stop	

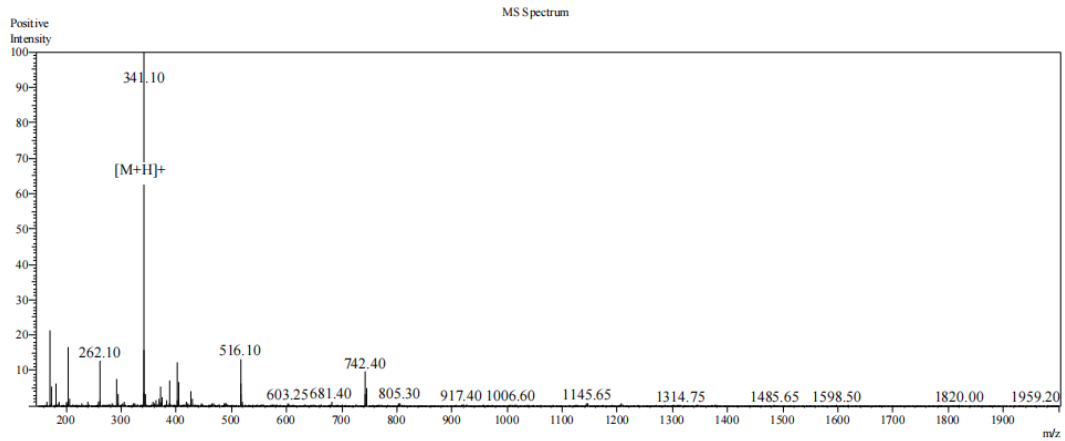


1 Detector A / 215nm

PeakTable

Detector A 215nm

Peak#	Ret. Time	Area	Height	Area %
1	5.077	4189724	647346	99.390
2	5.904	3186	706	0.076
3	7.340	17025	2580	0.404
4	8.741	3348	495	0.079
5	9.385	2137	335	0.051
Total		4215419	651461	100.000



Sample Information

Dissolution method : 3%HAC+25%ACN+72%H₂O
 Date Acquired : 2026/4/3 10:25:36
 Injection Volume : 1ul

Interface

Nebulizing Gas Flow : ESI
 CDL Temp : 1.50L/min
 CDL Volt : 250C
 Block Temp : 0v
 : 200

Prerod Bias

Detector : +4.5kv
 T.Flow : -0.2kv
 B.conc : 0.2ml/min
 : 30%H₂O/70%MeOH

Lot No.	VI620260401-50
Theoretical	401.91
Observed	340.10 (401.91-Cu ²⁺)