

Title:

Certificate of Analysis (CoA)

Date: 4/21/2026
Date Tested: 4/20/2026
Customer: Valence Labs
Testing material: GHK-Cu
Lot Number: PT-4802A1A8F7EA-1
BT Sample ID: 005000039752731
Labeled Peptide
Content/Potency: 100 mg
Storage: R.T.
Visual Description: Small clear vial: purple sample, white label, silver crimp, clear plastic cap.
Labeled as: GHK-Cu
Manufacturer: n/a
Testing Purpose: FTIR and HPLC analysis for the identification, purity, potency and composition of a peptide product. It does not provide information on particulate matter, microbial contamination or presence of endotoxins.



Test	Method	Specification	Result
General Appearance	USP <630>	purple powder	purple powder
Mass	USP <41>	As recorded	236.7 mg
FTIR Identification and Composition Analysis	USP <197A>	Sample spectrum should confirm the content of peptide via characteristic bands	FTIR sample spectrum confirms the presence of GHK-Cu with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.6 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 100 mg	84.3 mg (84.3 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	84.3 : 152.4 mg (1:1.8)

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

Andrea Castro, AS
 Digitally signed by Andrea Castro, AS
 DN: OU=BTLabs, O=BioTools Inc, CN="Andrea Castro, AS", E=acaastro@biotools.us
 Reason: I am approving this document
 Location:
 Date: 2026.04.21 21:25:15-04'00'
 Foxit PDF Reader Version: 2025.1.0

Andrea Castro, AS
 Scientist-II
 BTLabs

Verna Zheng, AS
 Digitally signed by Verna Zheng, AS
 DN: CN="Verna Zheng, AS", E=vzheng@biotools.us
 Reason: I am the author of this document
 Location:
 Date: 2026.04.21 21:26:04-04'00'
 Foxit PDF Reader Version: 2025.1.0

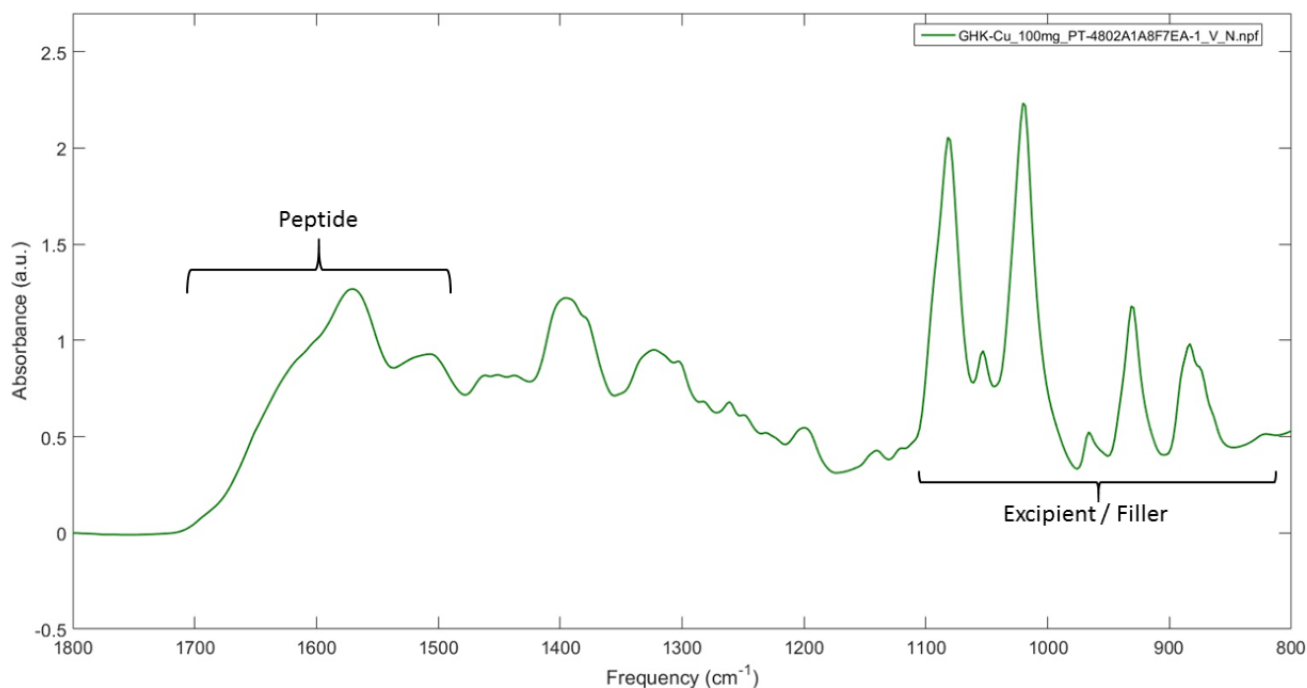
Verna Zheng, AS
 Scientist-II
 BTLabs

5730 Corporate Way | Suite 220 | West Palm Beach, FL 33407
 Phone: (561) 625-0133
 E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>

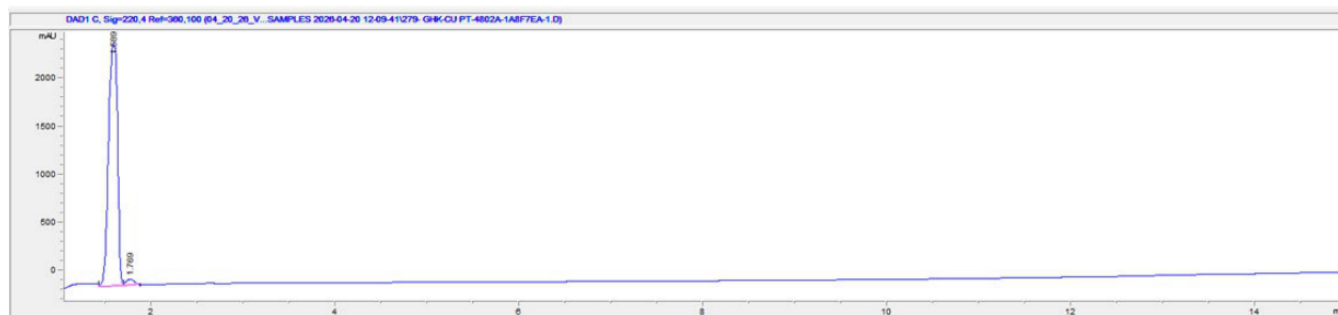
Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: GHK-Cu Lot PT-4802A1A8F7EA-1



HPLC Purity and Potency Assay @ 220 nm: GHK-Cu Lot PT-4802A1A8F7EA-1



GHK-Cu Lot PT-4802A1A8F7EA-1 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.589	17497.6
2	1.769	369.1