



Title:

Certificate of Analysis (CoA)

Date: 4/22/2026
Date Tested: 4/21/2026
Customer: Mainline Research
Testing material: GHK-Cu
Lot Number: N/A
BT Sample ID: 005000039742090
Labeled Peptide Content/Potency: 50 mg
Storage: R.T.
Visual Description: small clear vial: purple sample, white label, silver crimp, black and red 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.

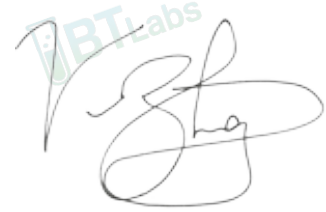


Test	Method	Specification	Result
General Appearance	USP <630>	purple powder	purple powder
Mass	USP <41>	As recorded	142.3 mg
FTIR Identification and Composition Analysis	USP <197A>	Sample spectrum should confirm the content of peptide via characteristic bands	FTIR sample spectrum confirms the presence of GHK-Cu with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	98.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 50 mg	37.8 mg (75.5 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	37.8 : 104.5 mg (1:2.8)

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



Andrea Castro, AS
Scientist-II
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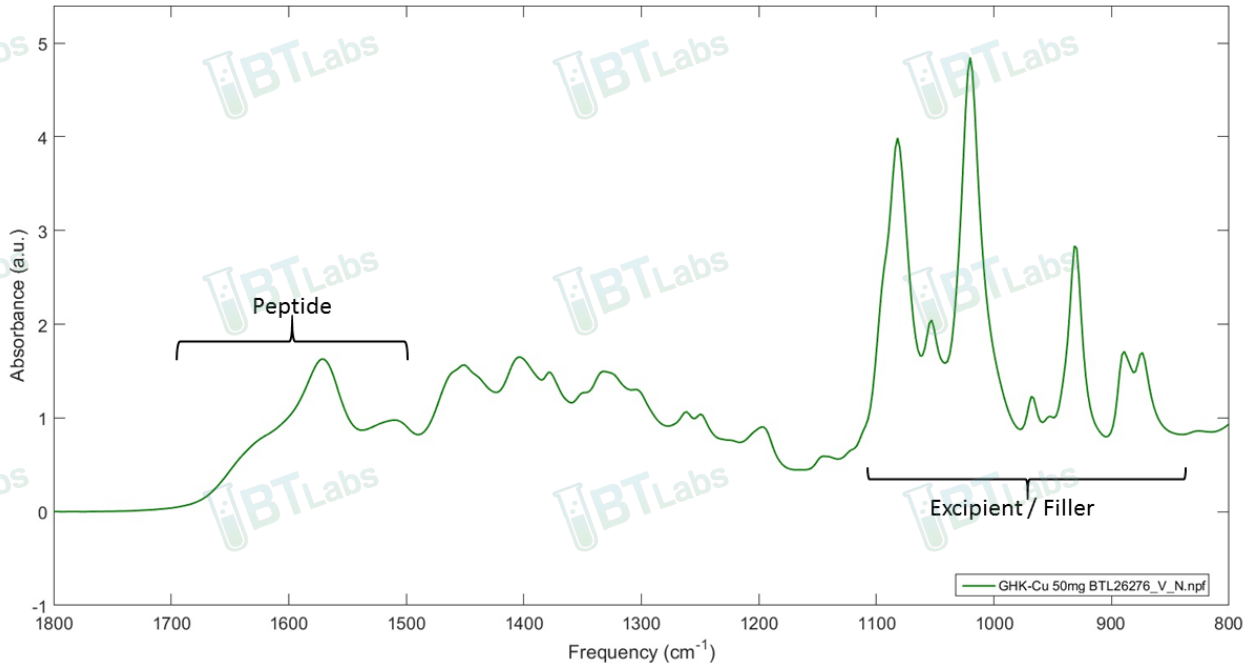
Verna Zheng, AS
Scientist-II
BTLabs



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Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: GHK-Cu Lot N/A



HPLC Purity and Potency Assay @ 220 nm: GHK-Cu Lot N/A



GHK-Cu Lot N/A @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.585	14427.6