



Title:

## Certificate of Analysis (CoA)

**Date:** 5/15/2026  
**Date Tested:** 5/12/2026  
**Customer:** Pure & Direct Peptides  
**Testing material:** GHK-Cu  
**Lot Number:** PDPGHK100-001  
**BT Sample ID:** 005000040446893  
**Labeled Peptide Content/Potency:** 100 mg  
**Storage:** R.T.  
**Visual Description:** Small clear vial: purple sample, white label, silver crimp, red plastic cap.  
**Labeled as:** GHK-Cu  
**Manufacturer:** Pure & Direct Peptides  
**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	229.9 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: $\geq 98\%$	99.7 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 100 mg	107.9 mg (107.9 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	107.9 : 122 mg (1:1.1)

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



Andrea Castro, AS  
Scientist-II  
BTLabs



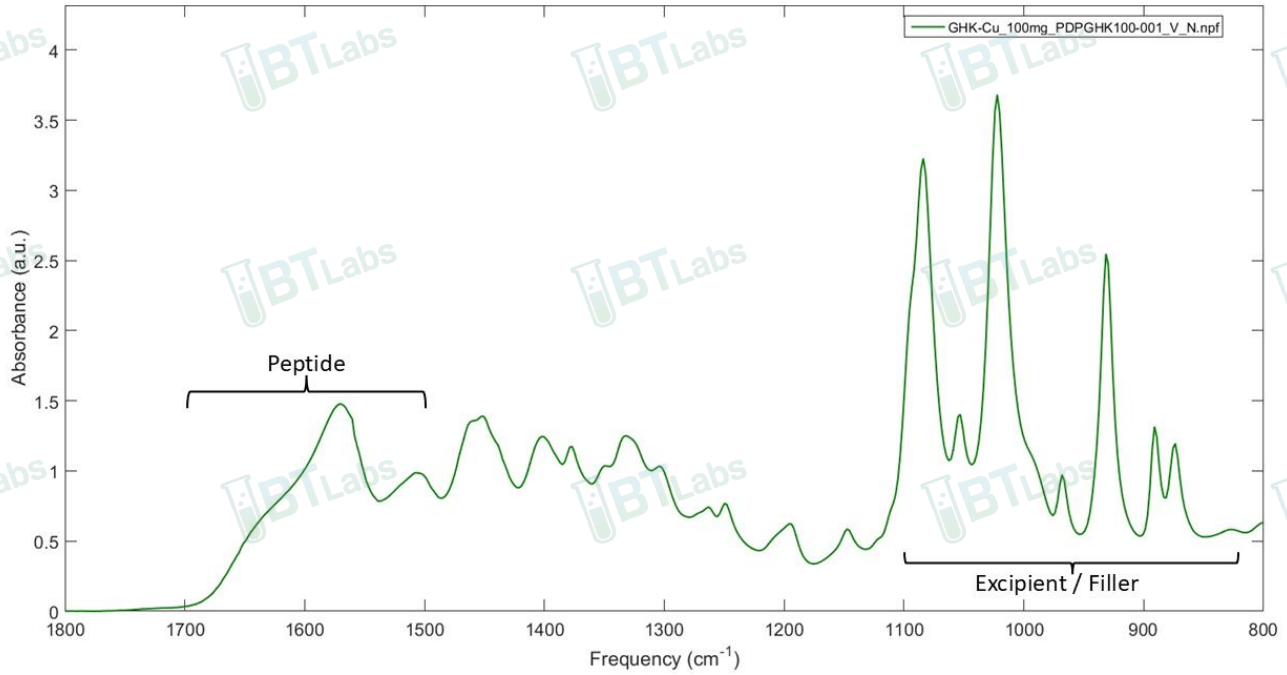
Verna Zheng, AS  
Scientist-II  
BTLabs



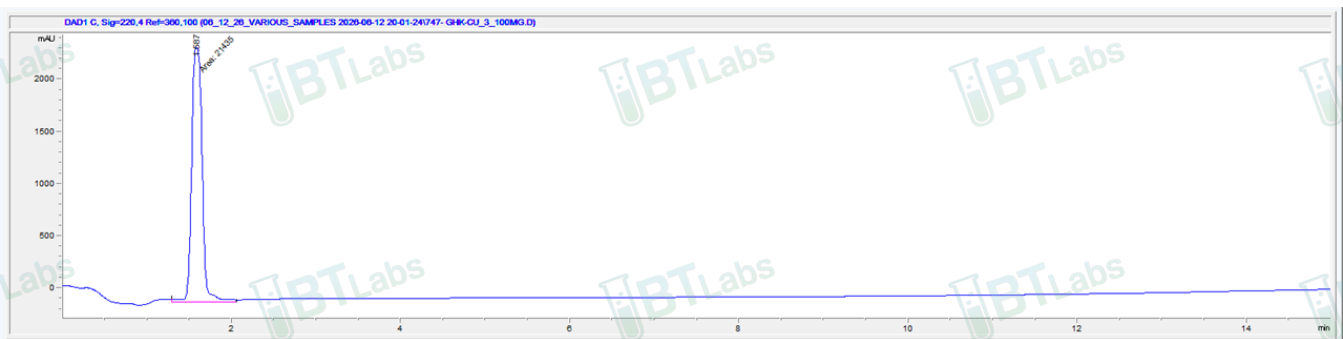
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### FTIR ID and Composition Analysis: GHK-Cu Lot PDPGHK100-001



### HPLC Purity and Potency Assay @ 220 nm: GHK-Cu Lot PDPGHK100-001



#### GHK-Cu Lot PDPGHK100-001 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.587	21435

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