



Report #:

IF-824-QSA-TR006-BTL261029-05

Page 1 of 2

Title:

Certificate of Analysis (CoA)



Date: 7/28/2026
Date Tested: 7/25/2026
Customer: Crescent Bioresearch
Testing material: GHK-Cu
Lot Number: CBR-GHK-260403-001
Content/Potency: 100 mg
Storage: R.T.
Visual Description: Small clear vial: purple sample, cream label, silver crimp, white 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	170.6 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	101.8 mg (101.8 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	101.8 : 68.8 mg (1:0.7)

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

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IF-824-QSA-TR006

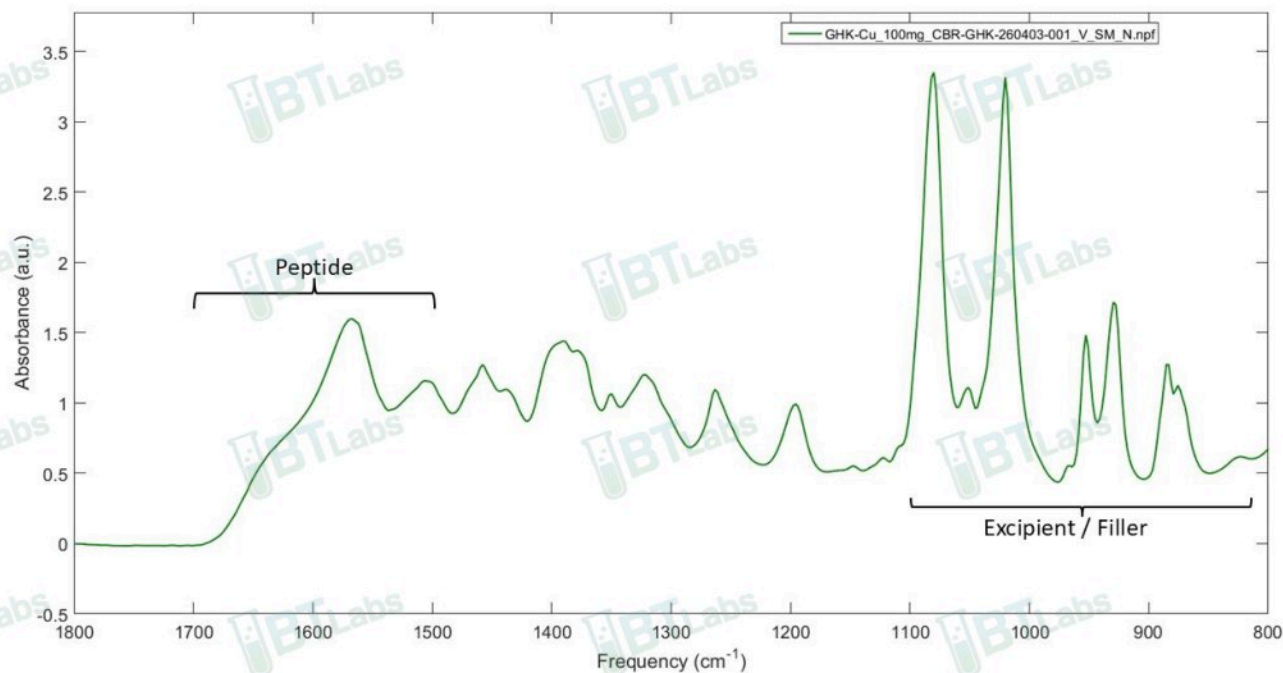
Rev 1.0 January 2025

Title:

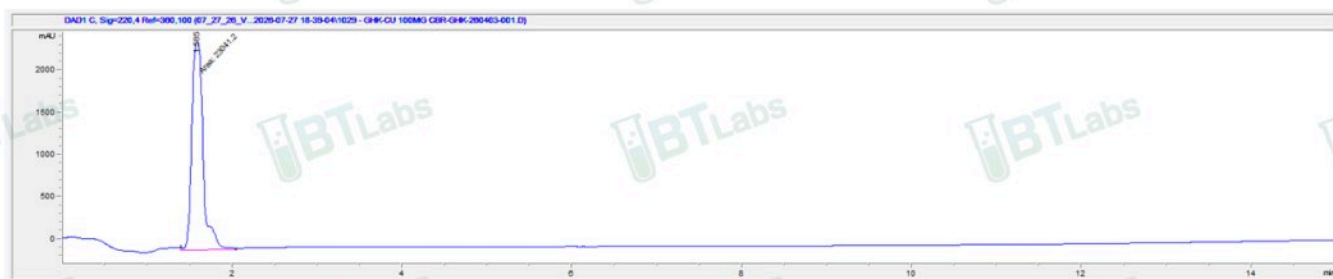
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FTIR ID and Composition Analysis: GHK-Cu Lot CBR-GHK-260403-001



HPLC Purity and Potency Assay @ 220 nm: GHK-Cu Lot CBR-GHK-260403-001



GHK-Cu Lot CBR-GHK-260403-001 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.585	23041.2



Title:

Certificate of Analysis (CoA)

Bacterial Endotoxins Test (ABI- TEST 0012)

Date: 7/30/2026
Date Tested: 7/30/2026
Customer: Crescent Bioresearch
Testing material: GHK-Cu
Lot Number: CBR-GHK-260403-001
Content/Potency: 100 mg
Storage: R.T.
Visual Description: Small clear vial: purple sample, cream label, silver crimp, white plastic cap.
Labeled as: GHK-Cu
Manufacturer: N/A
Testing Purpose: (ABI-TEST 0012) test quantifies bacterial endotoxin levels to confirm that the product does not elicit pyrogenic reactions, maintaining patient safety and product integrity.



Test	Method	Specification	Result
Bacterial Endotoxins Test	USP <85>	40 EU/vial reconstituted	PASS

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

Bacterial Endotoxins Test GHK-Cu Lot CBR-GHK-260403-001

Sample ID	Description	Volume (mL)	Endotoxin Limit (EU/vial)	Lysate Sensitivity (λ , EU/mL)	Result
CBR-GHK-260403-001	GHK-Cu	3	40 EU/vial	0.25	29.3 EU/vial

The sample passed a valid gel clot endotoxin test based on the type, mode of administration and dosage.

Sensitivity calibration

True numerical endotoxin value



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