



Title:

Certificate of Analysis (CoA)

Date: 7/2/2026
Date Tested: 6/29/2026
Customer: Vertex Labs
Testing material: KLOW
Lot Number: KL0000080
BT Sample ID: 005000040626108
Labeled Peptide Content/Potency: 80 mg
Storage: R.T.
Visual Description: Small clear vial: purple sample, white label, silver crimp, blue plastic cap.
Labeled as: KLOW
Manufacturer: VERTEX LABS
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	188.8 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 KLOW 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 80 mg	GHK-Cu 61.9 mg (77.42 %) KPV 9.0 mg (11.2 %) BPC-157 10.4 mg (13.0 %) TB-500 12.7 mg (15.9 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	94 : 94.80 mg (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



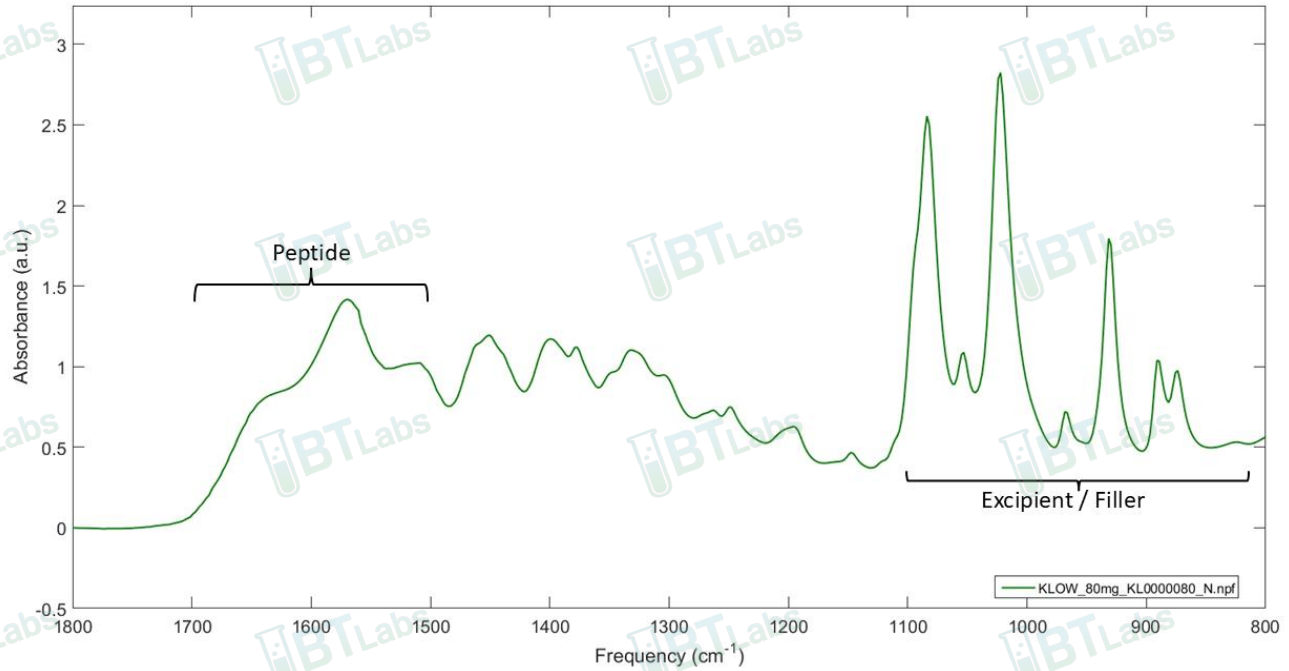
Verna Zheng, AS
Scientist-II
BTLabs

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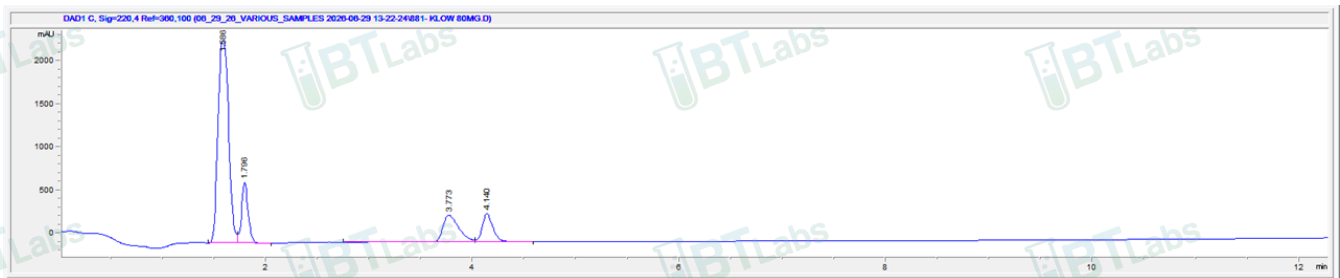
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FTIR ID and Composition Analysis: KLOW Lot KL0000080



HPLC Purity and Potency Assay @ 220 nm: KLOW Lot KL0000080



BPC-157 GHK-Cu TB-500 KPV Lot KL0000080 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.586	16812.4
2	1.796	3071.2
3	3.773	3445.7
4	4.14	2318.4