

Title:

Certificate of Analysis (CoA)



Date: 4/1/2026
Date Tested: 5/23/2026
Customer: Peptides Optimized LLC
Testing material: KLOW
Lot Number: KW0311
BT Sample ID: 005000039451403
Labeled Peptide Content/Potency: 80 mg
Storage: R.T.
Visual Description: Small clear vial: purple sample, pink label, silver crimp, orange plastic cap.
Labeled as: KLOW
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	238.3 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 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 52.2 mg (65.3 %) KPV 8.2 mg (10.3 %) BPC-157 9.3 mg (11.6 %) TB-500 11 mg (13.8 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	80.7 : 157.6 mg (1:2)

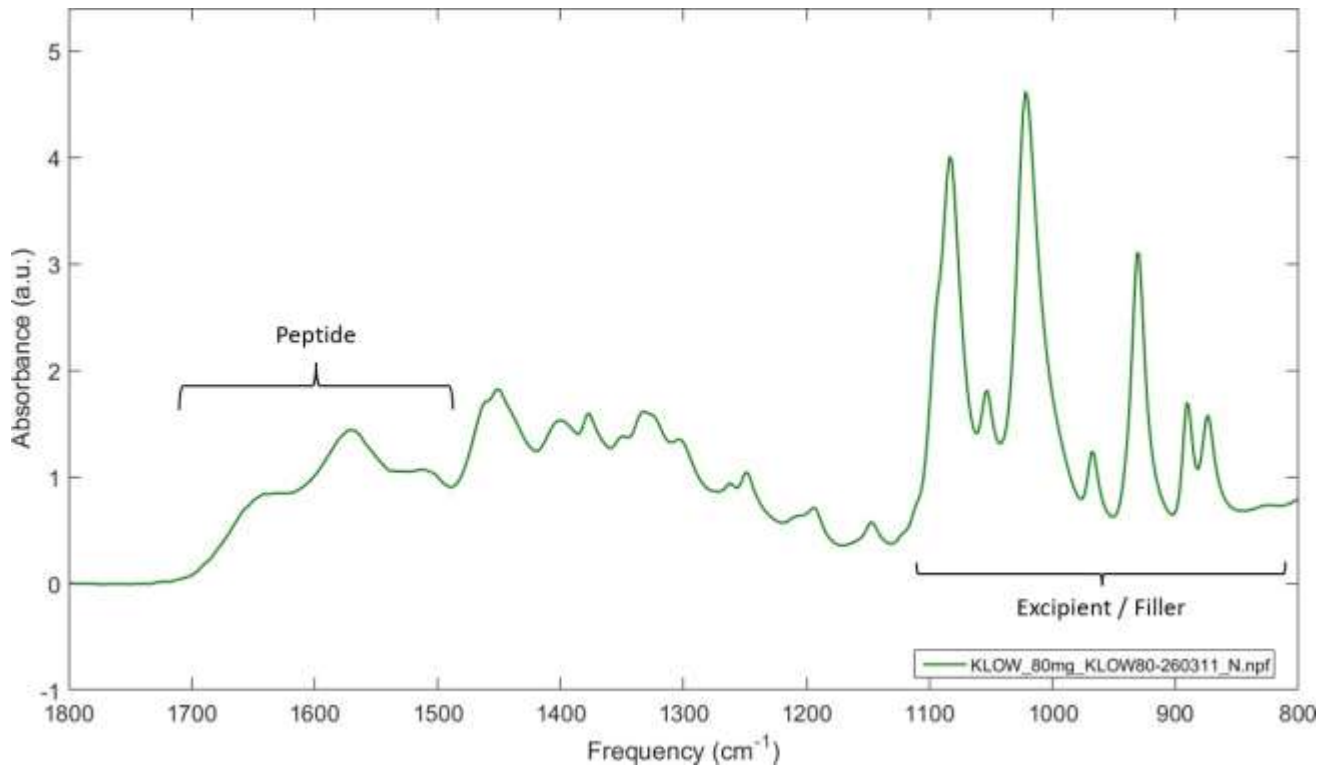
The results of the CoA relate only to the item(s) tested and applied to the sample as received.

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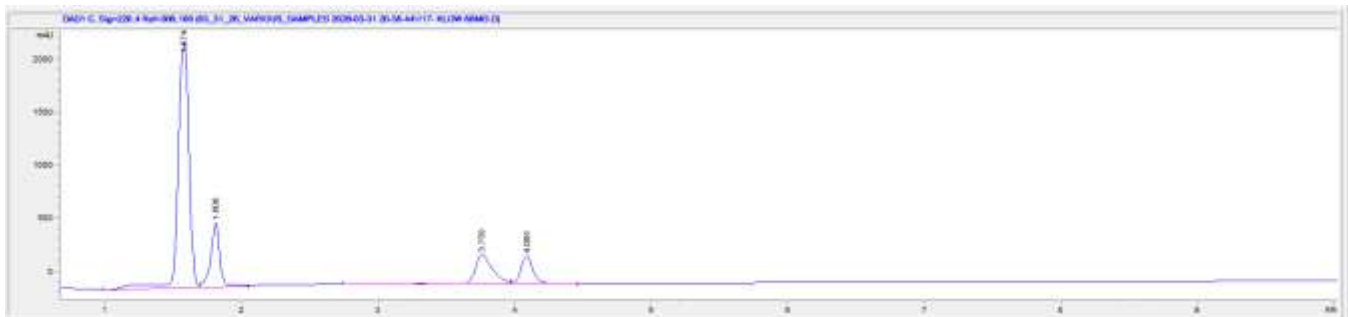
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FTIR ID and Composition Analysis: KLOW Lot KW0311



HPLC Purity and Potency Assay @ 220 nm: KLOW Lot KW0311



BPC-157 GHK-Cu TB-500 KPV Lot KW0311 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.574	13036.6
2	1.806	2856.2
3	3.759	2510.2
4	4.085	1554.8