



Report #:

IF-824-QSA-TR006-BTL260624-004-05

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Title:

Certificate of Analysis (CoA)



Date: 7/23/2026
Date Tested: 7/20/2026
Customer: Vitachain research
Testing material: KLOW
Lot Number: LU-KL80-0626-A
Content/Potency: 80 mg
Storage: R.T.
Visual Description: Small clear vial: purple sample, holographic label, silver crimp, black 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	127.6 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 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 47.7 mg (59.6 %) KPV 14.5 mg (18.1 %) BPC-157 9.1 mg (11.4 %) TB 500 10.5 mg (13.1 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	81.8 : 45.8 mg (1:0.6)

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

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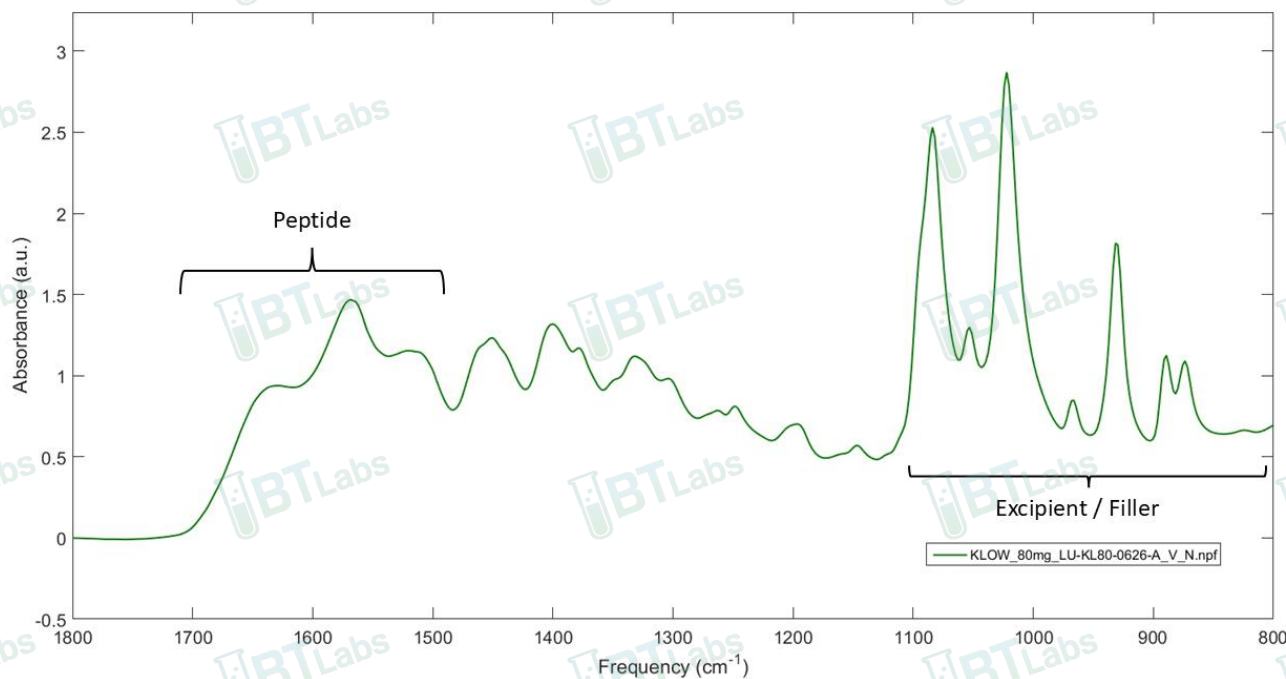
E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>

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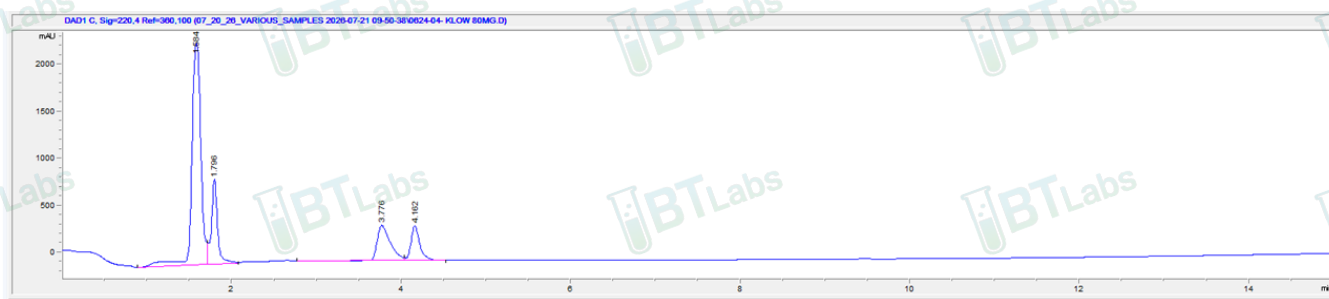
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FTIR ID and Composition Analysis: KLOW Lot LU-KL80-0626-A



HPLC Purity and Potency Assay @ 220 nm: KLOW Lot LU-KL80-0626-A



KLOW Lot LU-KL80-0626-A @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.584	17764.5
2	1.796	4630.5
3	3.776	4150.8
4	4.162	2695