



Title:

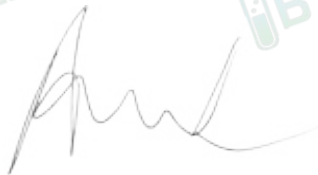
Certificate of Analysis (CoA)

Date: 4/24/2026
Date Tested: 4/16/2026
Customer: Vertex Labs
Testing material: KPV
Lot Number: KPV000019
BT Sample ID: 005000039742015
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, black plastic cap.
Labeled as: KPV
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>	white powder	white powder
Mass	USP <41>	As recorded	62.4 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 KPV 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 10 mg	13.3 mg (132.9 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	13.3 : 49.1 mg (1:3.7)

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



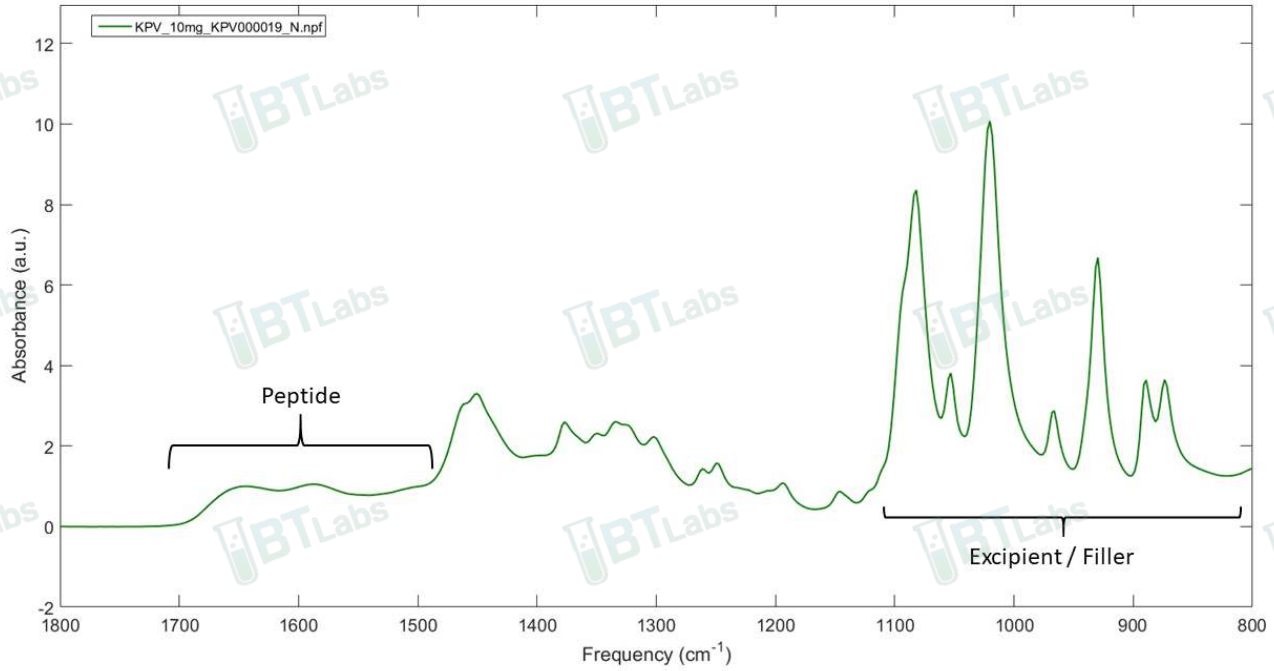
Verna Zheng, AS
 Scientist-II
 BTLabs



Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: KPV Lot KPV000019



HPLC Purity and Potency Assay @ 220 nm: KPV Lot KPV000019



KPV Lot KPV000019 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.802	8026.6