

Title:

# Certificate of Analysis (CoA)



**Date:** 7/23/2026  
**Date Tested:** 7/21/2026  
**Customer:** Nickolas de Moraes  
**Testing material:** KPV  
**Lot Number:** unspecified  
**Content/Potency:** 10 mg  
**Storage:** R.T.  
**Visual Description:** Small clear vial: off-white sample, white label, silver crimp, black plastic cap.  
**Labeled as:** KPV  
**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<br><630>  | off-white powder                                                               | off-white powder                                                                         |
| Mass                                         | USP<br><41>   | As recorded                                                                    | 62 mg                                                                                    |
| FTIR Identification and Composition Analysis | USP<br><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<br><621>  | Specifications: $\geq 98\%$                                                    | 99.7 %                                                                                   |
| HPLC Potency Assay                           | USP<br><621>  | Specifications: 90 – 110% of 10 mg                                             | 17.4 mg (174.1 %)                                                                        |
| Peptide-to-Excipients Ratio                  | USP<br><1151> | Recommended ratios of (1:2) to (1:10) for (peptide: excipients)                | 17.4 : 44.6 mg (1:2.6)                                                                   |

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



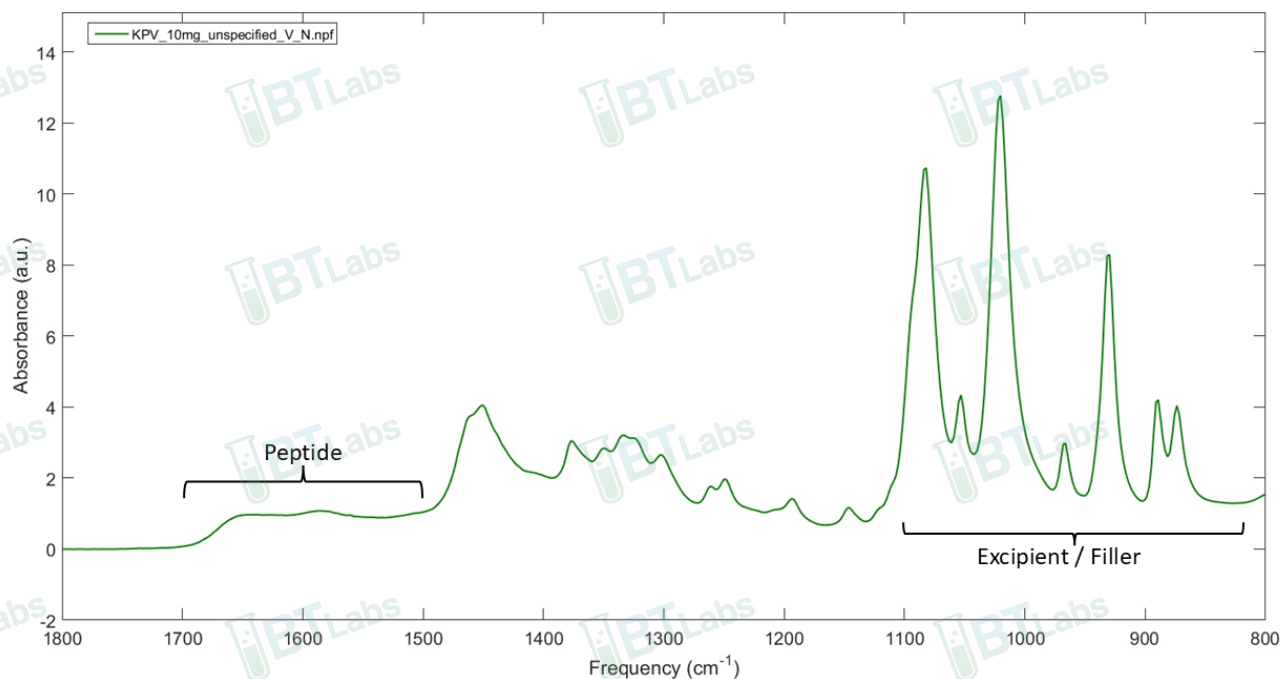
Escarlet Cabrieles, AS  
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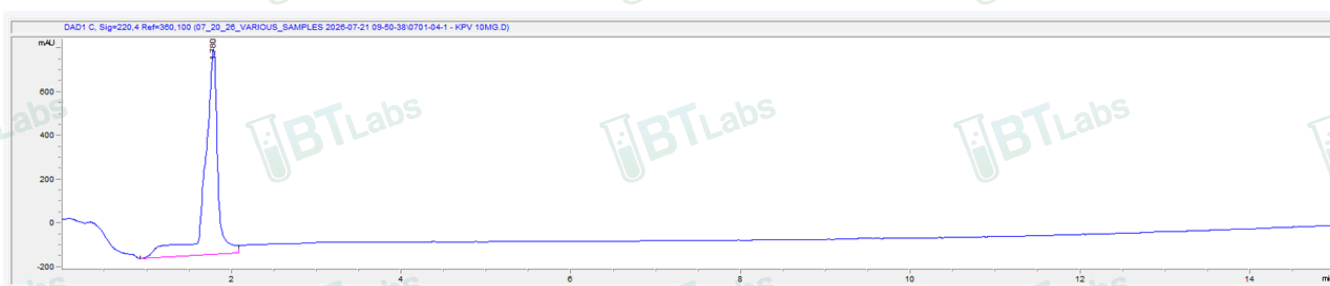
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## FTIR ID and Composition Analysis: KPV Lot unspecified



## HPLC Purity and Potency Assay @ 220 nm: KPV Lot unspecified



### KPV Lot unspecified @ 220 nm

| Peak #: | Retention Time (min) | Area (mAU*s) |
|---------|----------------------|--------------|
| 1       | 1.78                 | 10343.8      |