



Report #:

COA261124-004

Page 1 of 2

Title:

## Certificate of Analysis (CoA)



**Date:** 8/22/2026  
**Date Tested:** 8/21/2002  
**Customer:** PatriotBio  
**Testing material:** KPV  
**Lot Number:** 1183  
**Sample ID:** BTL260803-016-004  
**Content/Potency:** 10 mg  
**Storage:** R.T.  
**Visual Description:** Small clear vial: white sample, blue label, silver crimp, red plastic cap.  
**Labeled as:** KPV  
**Manufacturer:** PatriotBio  
**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>  | white powder                                                                   | white powder                                                                             |
| Mass                                         | USP<br><41>   | As recorded                                                                    | 52 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                                             | 10.3 mg (103.2 %)                                                                        |
| Peptide-to-Excipients Ratio                  | USP<br><1151> | Recommended ratios of (1:0) to (1:10) for (peptide: excipients)                | 10.3 : 41.7 mg (1:4)                                                                     |

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

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IF-824-QSA-TR006

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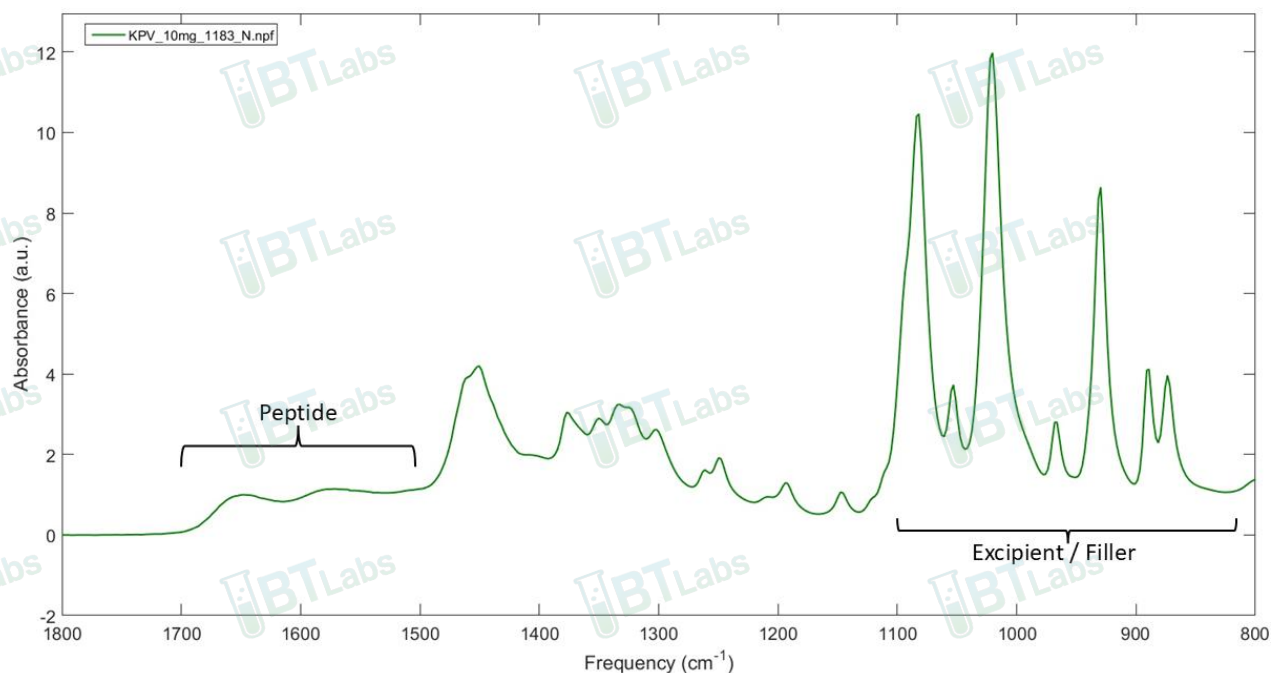
Page 2 of 2

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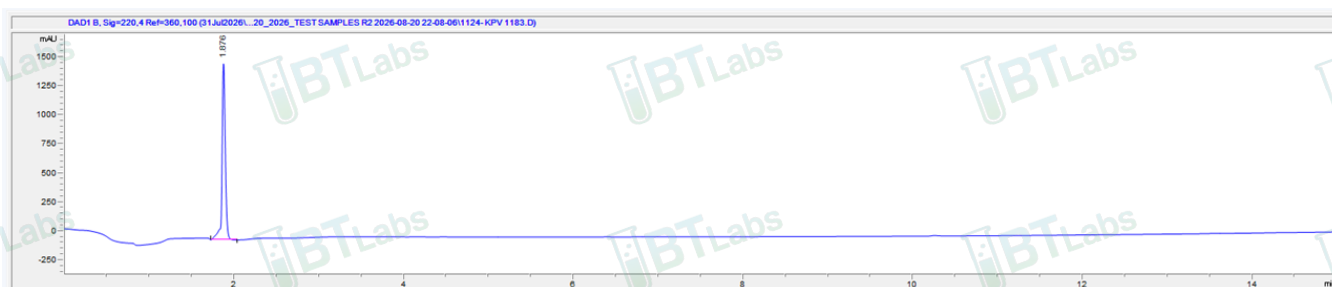
## Certificate of Analysis (CoA)



### FTIR ID and Composition Analysis: KPV Lot 1183



### HPLC Purity and Potency Assay @ 220 nm: KPV Lot 1183



| KPV Lot 1183 @ 220 nm |                      |              |
|-----------------------|----------------------|--------------|
| Peak #:               | Retention Time (min) | Area (mAU*s) |
| 1                     | 1.876                | 4078.7       |

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