



Report #:

IF-824-QSA-TR006-BTL26480-06

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Title:

## Certificate of Analysis (CoA)

**Date:** 5/20/2026  
**Date Tested:** 5/18/2026  
**Customer:** Double Helix Labs  
**Testing material:** TB-500  
**Lot Number:** TB006  
**BT Sample ID:** 005000040077235  
**Labeled Peptide Content/Potency:** 10 mg  
**Storage:** R.T.  
**Visual Description:** Small clear vial: white sample, silver holographic label, bronze crimp, clear plastic cap.  
**Labeled as:** TB-500  
**Manufacturer:** HK  
**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                                                                    | 45.8 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 TB-500 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                                             | 11.5 mg (115.1 %)                                                                           |
| Peptide-to-Excipients Ratio                  | USP<br><1151> | Recommended ratios of (1:2) to (1:10) for (peptide: excipients)                | 11.5 : 34.3 mg (1:3)                                                                        |

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

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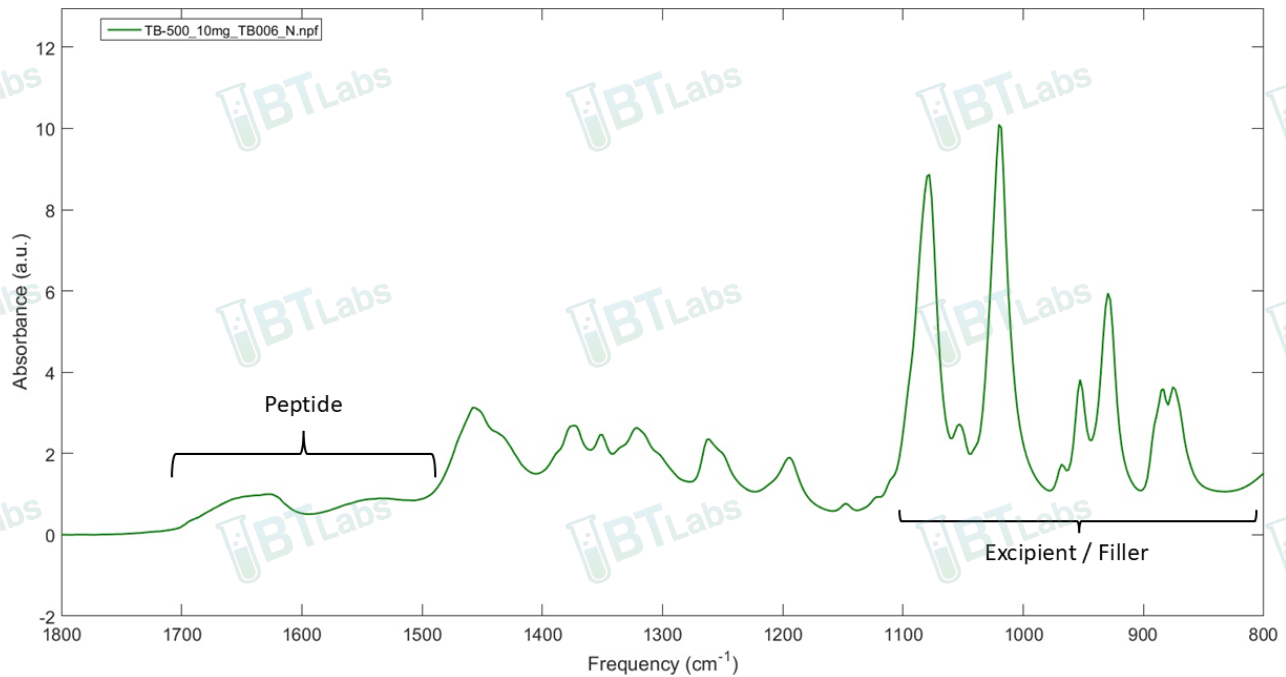
E-mail: [info@btlabtesting.com](mailto:info@btlabtesting.com) | Website: <https://btlabtesting.com>

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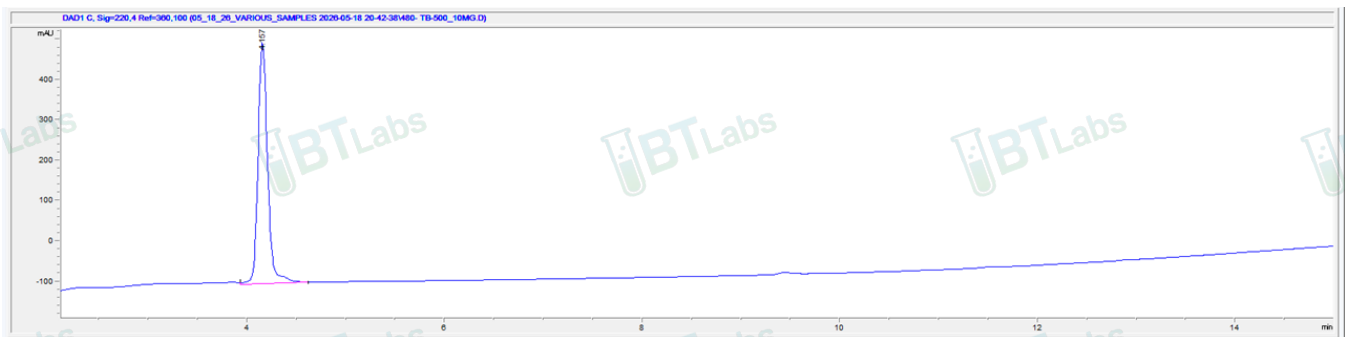
## Certificate of Analysis (CoA)



### FTIR ID and Composition Analysis: TB-500 Lot TB006



### HPLC Purity and Potency Assay @ 220 nm: TB-500 Lot TB006



#### TB-500 Lot TB006 @ 220 nm

| Peak #: | Retention Time (min) | Area (mAU*s) |
|---------|----------------------|--------------|
| 1       | 4.157                | 4093.1       |