Title:

Certificate of Analysis (CoA)

Date: 11/21/2026
Date Tested: 11/17/2026
Customer: Vertex Labs
Testing material: TB-500
Lot Number: TB0000031
Sample ID: BTL261111-006-007
Content/Potency: 5 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, white plastic cap.
Labeled as: TB-500
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>	white powder	white powder
Mass	USP <41>	As recorded	48.5 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 TB-500 with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: ≥ 98 %	99.6 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 5 mg	6 mg (119 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:0) to (1:10) for (peptide: excipients)	6 : 42.5 mg (1:7.1)

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

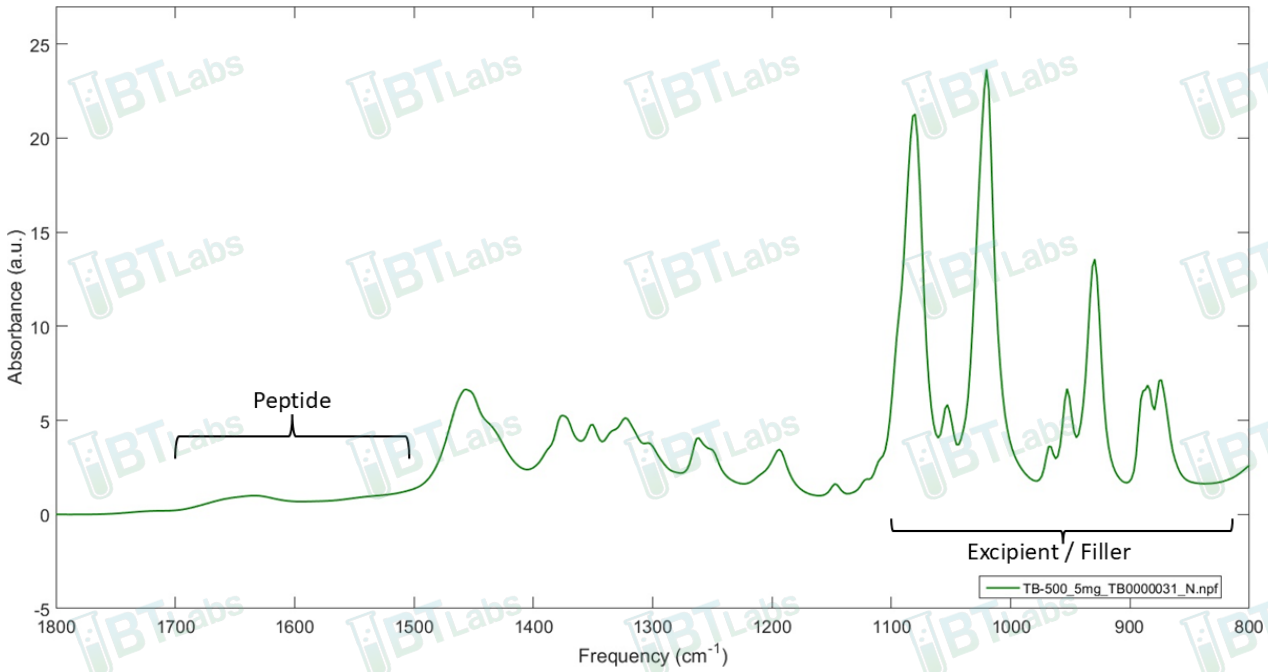
Andrea Castro, BS
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BTLabs

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Scientist-II
BTLabs

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FTIR ID and Composition Analysis: TB-500 Lot TB0000031



HPLC Purity and Potency Assay @ 220 nm: TB-500 Lot TB0000031



TB-500 Lot TB0000031 @ 220 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	1.76	2631.2

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