



COA #:
1550609

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Title:

Certificate of Analysis (CoA)



Date: 5/11/2026
Date Tested: 5/23/2026
Customer: Peptides Optimized LLC
Testing material: TB500
Lot Number: TB3022
BT Sample ID: 005000039130842
Labeled Peptide Content/Potency: 5 mg
Storage: R.T.
Visual Description: small clear vial: white sample, pink label, silver crimp, grey plastic cap.
Labeled as: TB500
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	68.6 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 TB500 with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.2%
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 5 mg	5.7 mg (114.7 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	5.7 : 62.9 mg (1:11)

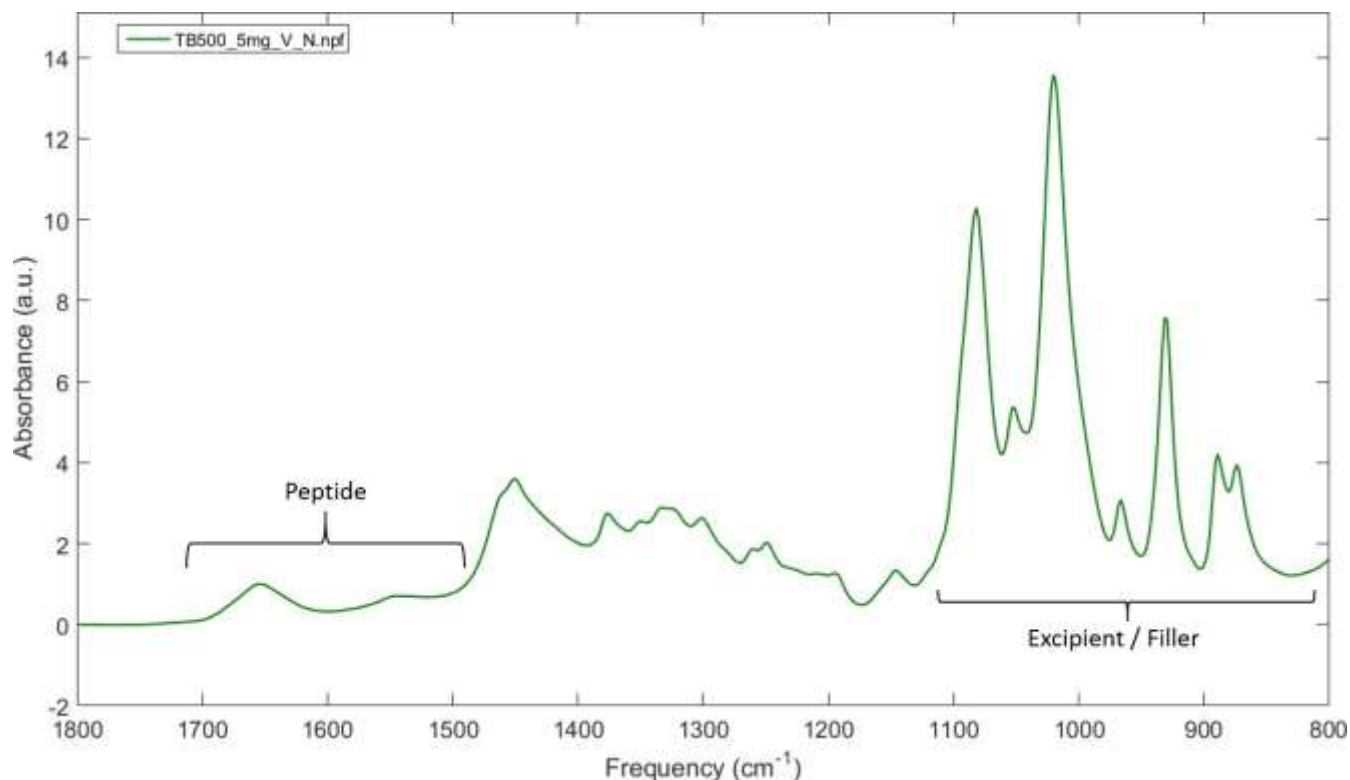
The results of the CoA relate only to the item(s) tested and applied to the sample as received.

Title:

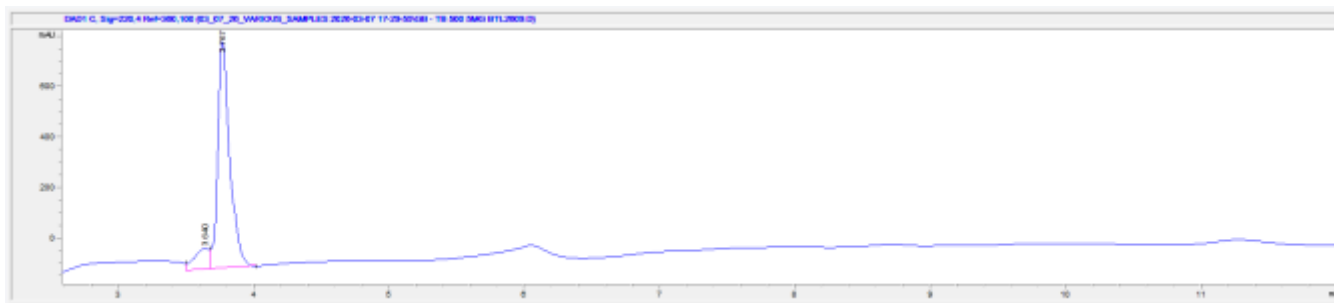
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FTIR ID and Composition Analysis: TB500 Lot TB3022



HPLC Purity and Potency Assay @ 220 nm: TB500 Lot TB3022



TB500 Lot TB3022 @ 220 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	3.64	636.1
2	3.767	5503