



Report #:

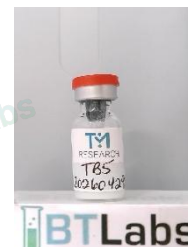
IF-824-QSA-TR006-BTL26404-06

Page 1 of 2



Title:

Certificate of Analysis (CoA)

Date: 5/11/2026**Date Tested:** 5/7/2026**Customer:** TM Research**Testing material:** TB-500**Lot Number:** TB5-20260429**BT Sample ID:** 005000039929506**Labeled Peptide****Content/Potency:** 5 mg**Storage:** R.T.**Visual Description:** Small clear vial: white sample, white label, silver crimp, red 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	62.7 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: $\geq 98\%$	99.6 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 5 mg	5.2 mg (105 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	5.2 : 57.5 mg (1:10.9)

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

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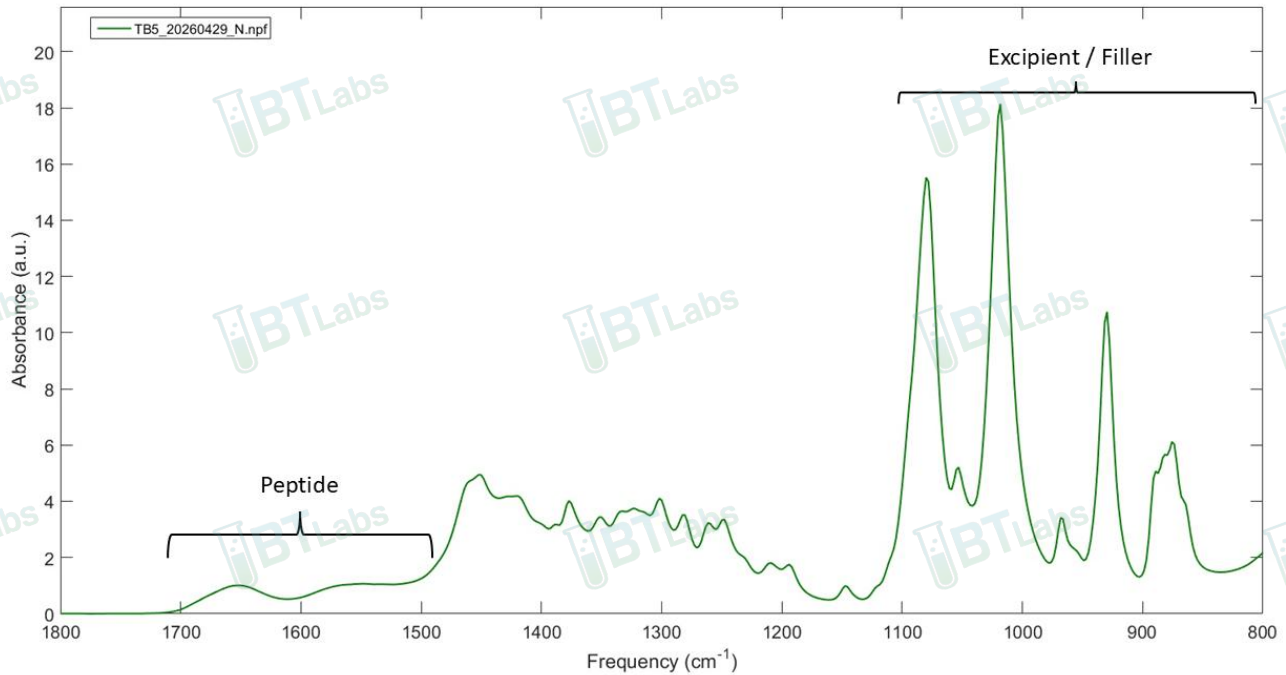
E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>

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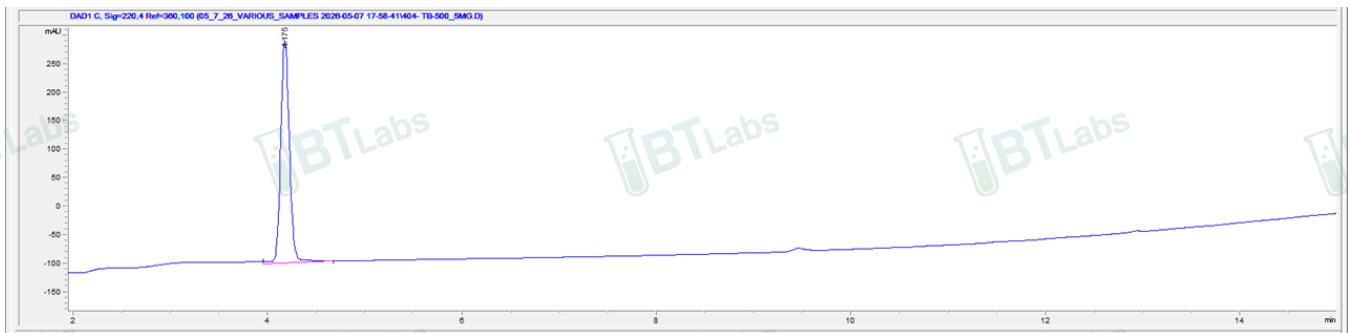
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FTIR ID and Composition Analysis: TB-500 Lot TB5-20260429



HPLC Purity and Potency Assay @ 220 nm: TB-500 Lot TB5-20260429



TB-500 Lot TB5-20260429 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	4.175	2874