



Report #:

IF-824-QSA-TR006-BTL26233-02

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Title:

Certificate of Analysis (CoA)

Date: 4/18/2026
Date Tested: 4/16/2026
Customer: Regenerative Research
Testing material: Thymosin_Beta-4
Lot Number: TB26-03
BT Sample ID: 005000039644323
Labeled Peptide
Content/Potency: 10 mg
Storage: R.T.
Visual Description: small clear vial: white sample, white label, silver crimp, yellow plastic cap.
Labeled as: Thymosin_Beta-4
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	52.6 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 Thymosin_Beta-4 with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	12.2 mg (122.2 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	12.2 : 40.4 mg (1:3.3)

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

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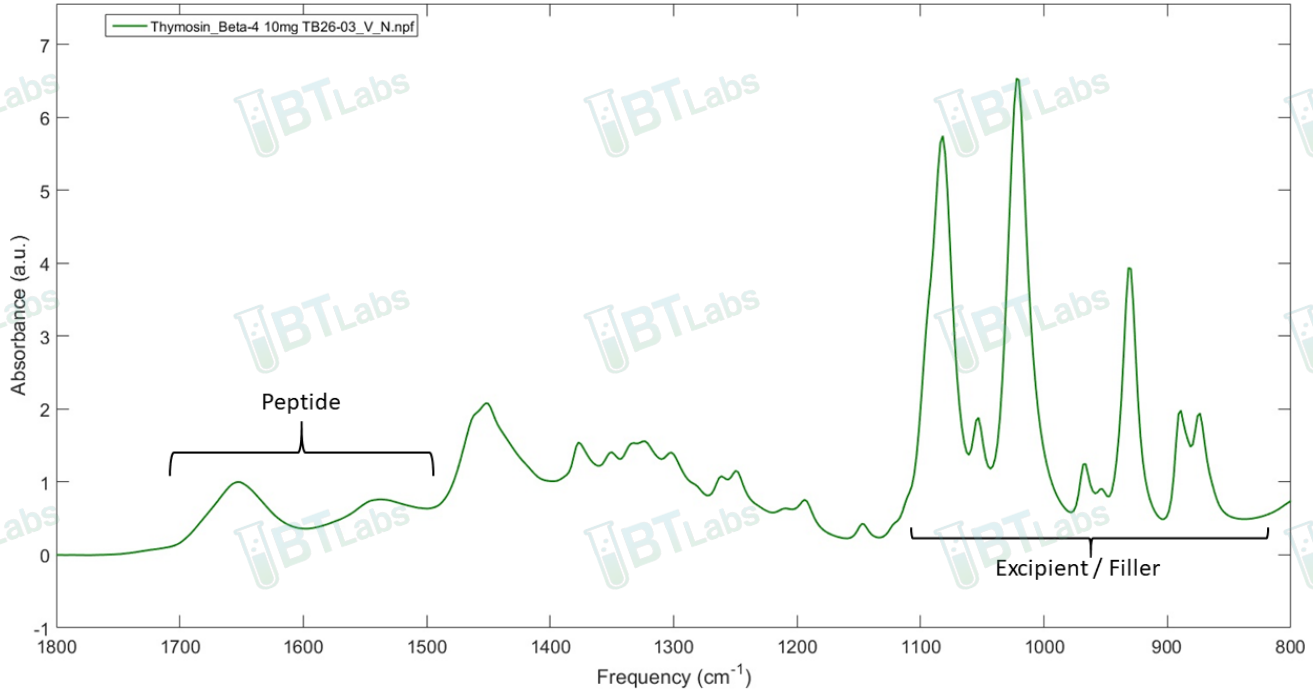
Rev 1.0 January 2025

Title:

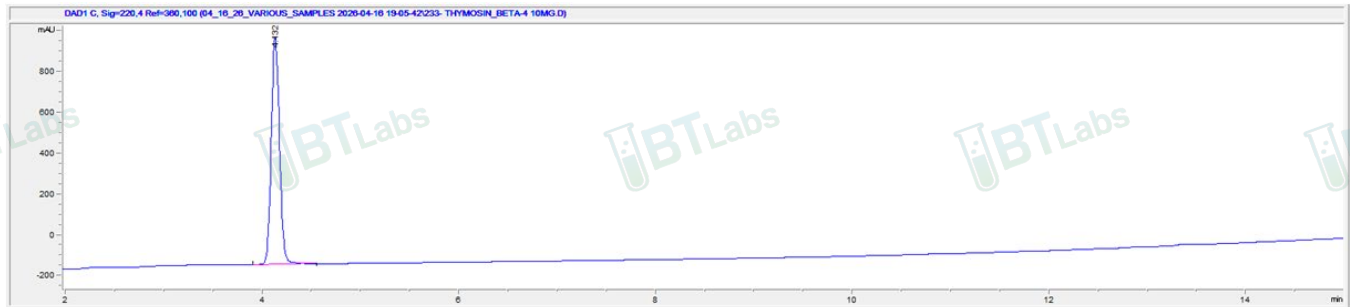
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FTIR ID and Composition Analysis: Thymosin Beta-4 Lot TB26-03



HPLC Purity and Potency Assay @ 220 nm: Thymosin Beta-4 Lot TB26-03



Thymosin Beta-4 Lot TB26-03 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	4.132	6582.9