

Title:

Certificate of Analysis (CoA)



Date: 10/28/2026
Date Tested: 10/26/2026
Customer: Prime Peptide Solutions
Testing material: Thymosin Alpha 1
Lot Number: PRIME1026
Sample ID: BTL261014-020-013
Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, holographic label, silver crimp, blue plastic cap.
Labeled as: Thymosin Alpha 1
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	58.4 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 Alpha 1 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 10 mg	12.5 mg (125.3 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:0) to (1:10) for (peptide: excipients)	12.5 : 45.9 mg (1:3.7)

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



Andrea Castro, BS
 Scientist-II
 BTLabs



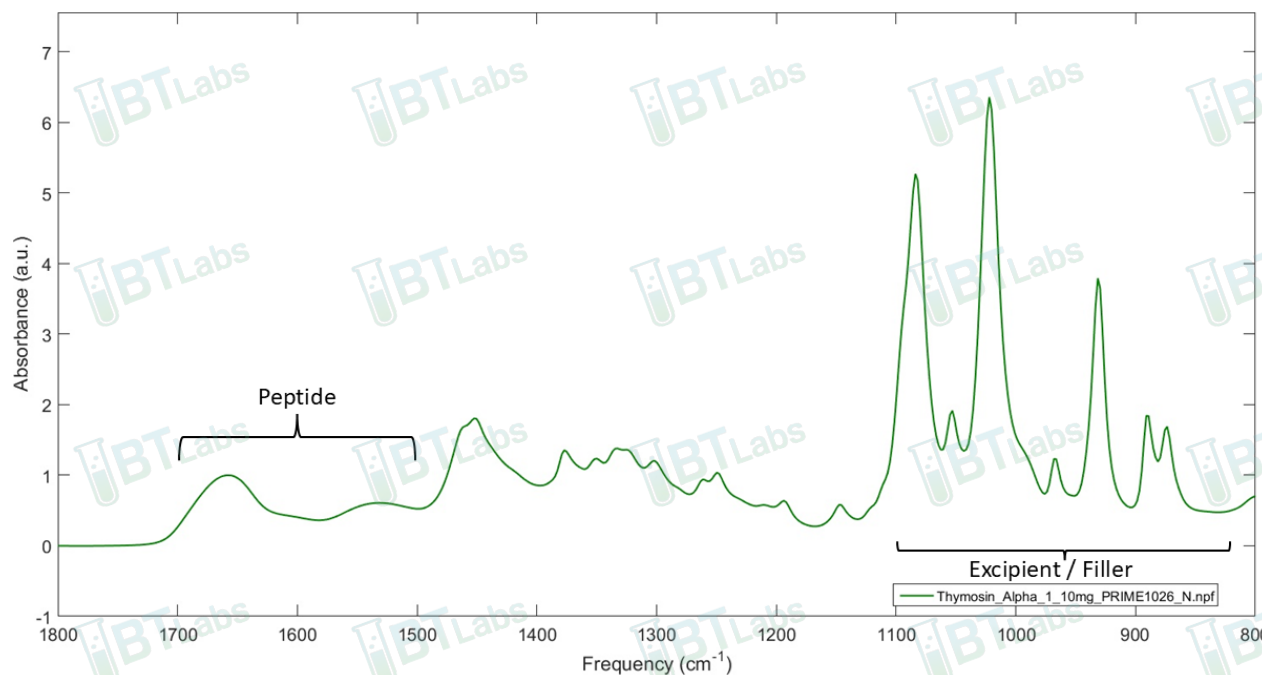
Escarlet Cabrieles, BS
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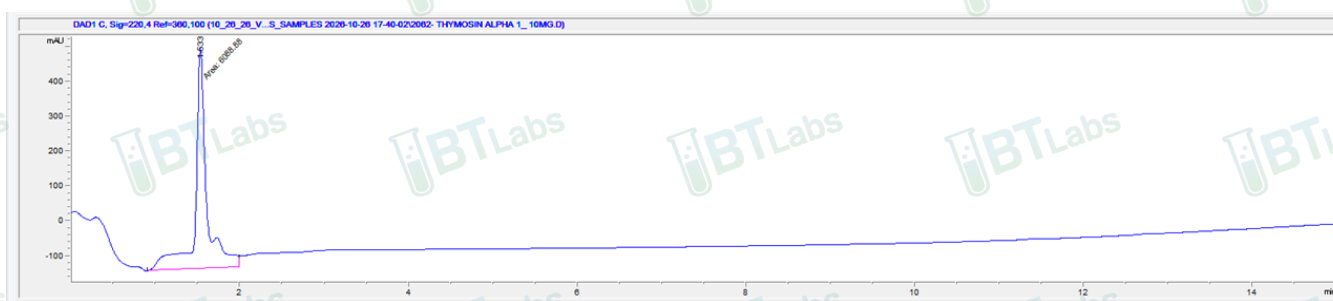
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FTIR ID and Composition Analysis: Thymosin Alpha 1 Lot PRIME1026



HPLC Purity and Potency Assay @ 220 nm: Thymosin Alpha 1 Lot PRIME1026



Thymosin Alpha 1 Lot PRIME1026 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.533	6088.9