



Report #:

IF-824-QSA-TR006-BTL260707-11-08

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Title:

Certificate of Analysis (CoA)



Date: 7/31/2026
Date Tested: 7/28/2026
Customer: Patriot Bio
Testing material: Thymosin Alpha-1
Lot Number: unspecified
Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, blue label, silver crimp, red plastic cap.
Labeled as: Thymosin Alpha-1
Manufacturer: PatriotBio
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	62.6 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 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	8.4 mg (84 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	8.4 : 54.2 mg (1:6.5)

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

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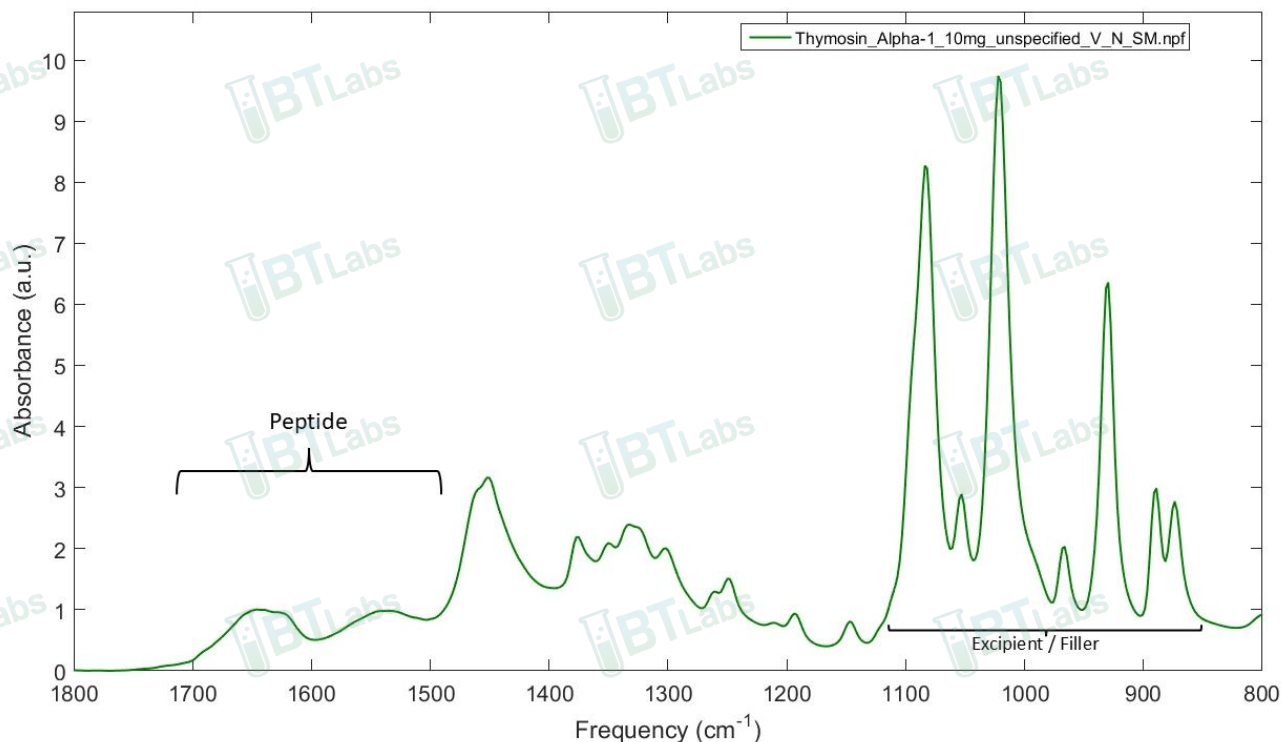
E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>

Title:

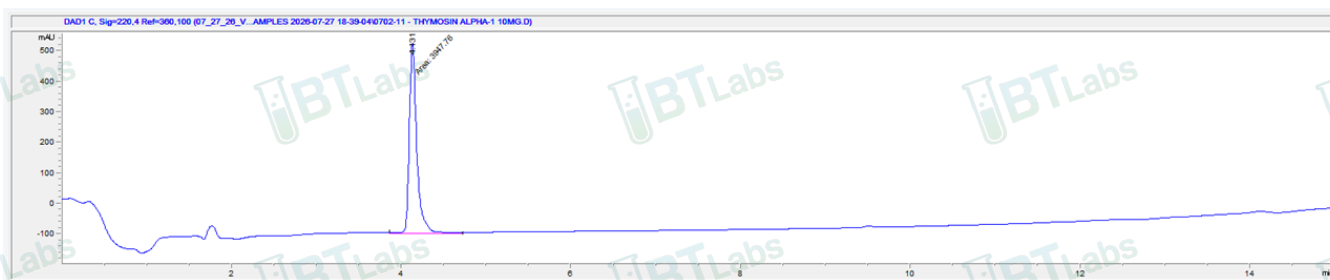
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FTIR ID and Composition Analysis: Thymosin Alpha-1 Lot unspecified



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



Thymosin Alpha-1 Lot unspecified @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	4.131	3947.8