



Report #:

IF-824-QSA-TR006-BTL26557-01

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Title:

Certificate of Analysis (CoA)

Date: 5/29/2026
Date Tested: 5/28/2026
Customer: Regenerative Research
Testing material: Thymosin Alpha-1
Lot Number: TA26-02
BT Sample ID: 005000040186610
Labeled Peptide
Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, black plastic cap.
Labeled as: Thymosin_A1
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	39.8 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: $\geq 98\%$	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	6.3 mg (63.3 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	6.3 : 33.5 mg (1:5.3)

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

Andrea Castro, AS
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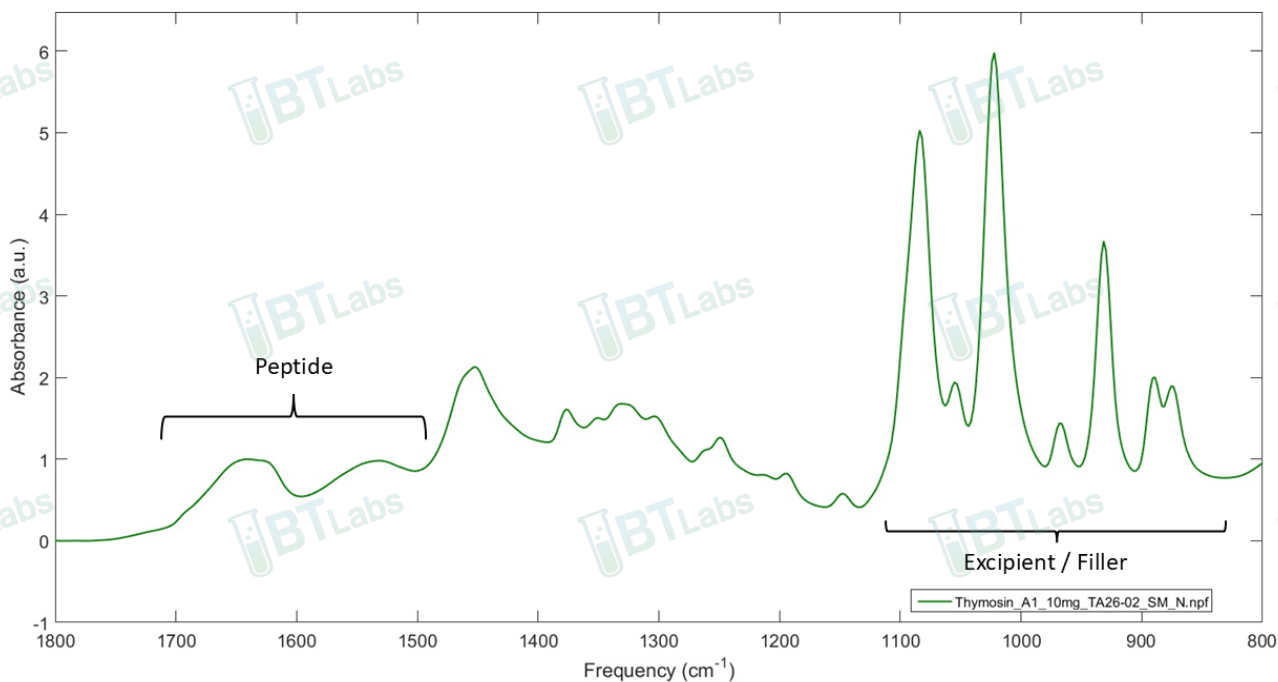
Phone: (561) 941-4835

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

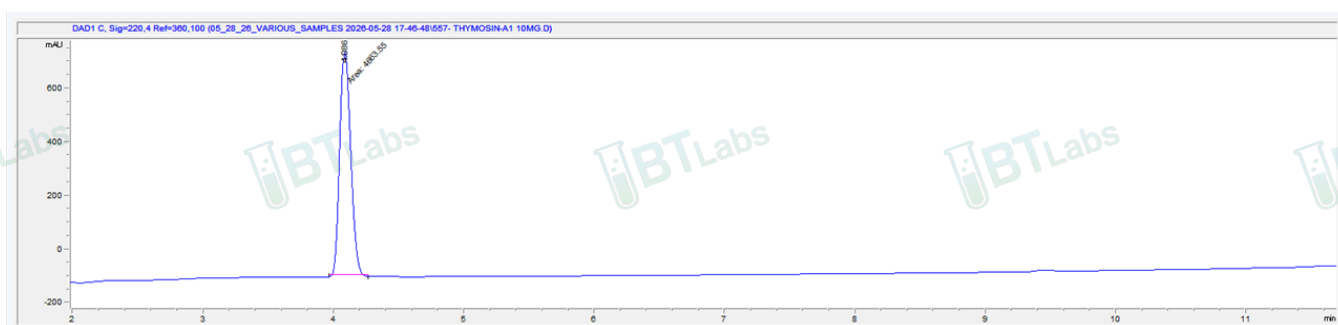
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FTIR ID and Composition Analysis: Thymosin A1 Lot TA26-02



HPLC Purity and Potency Assay @ 220 nm: Thymosin A1 Lot TA26-02



Thymosin Alpha-1 Lot TA26-02 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	4.086	4663.5