



Title:

Certificate of Analysis (CoA)

Date: 3/29/2026
Date Tested: 3/27/2026
Customer: Salty Peptides
Testing material: Thymosin-Alpha 1
Lot Number: TA1-5-001
BT Sample ID: 005000039426152
Labeled Peptide Content/Potency: 5 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, silver label, silver crimp, white plastic cap.
Labeled as: Thymosin-Alpha 1
Manufacturer: Peptira
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	196.6 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: $\geq 98\%$	99.5 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 5 mg	8.1 mg (161.5 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	8.1 : 188.5 mg (1:23.3)

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



Andrea Castro, AS
Scientist-II
BTLabs



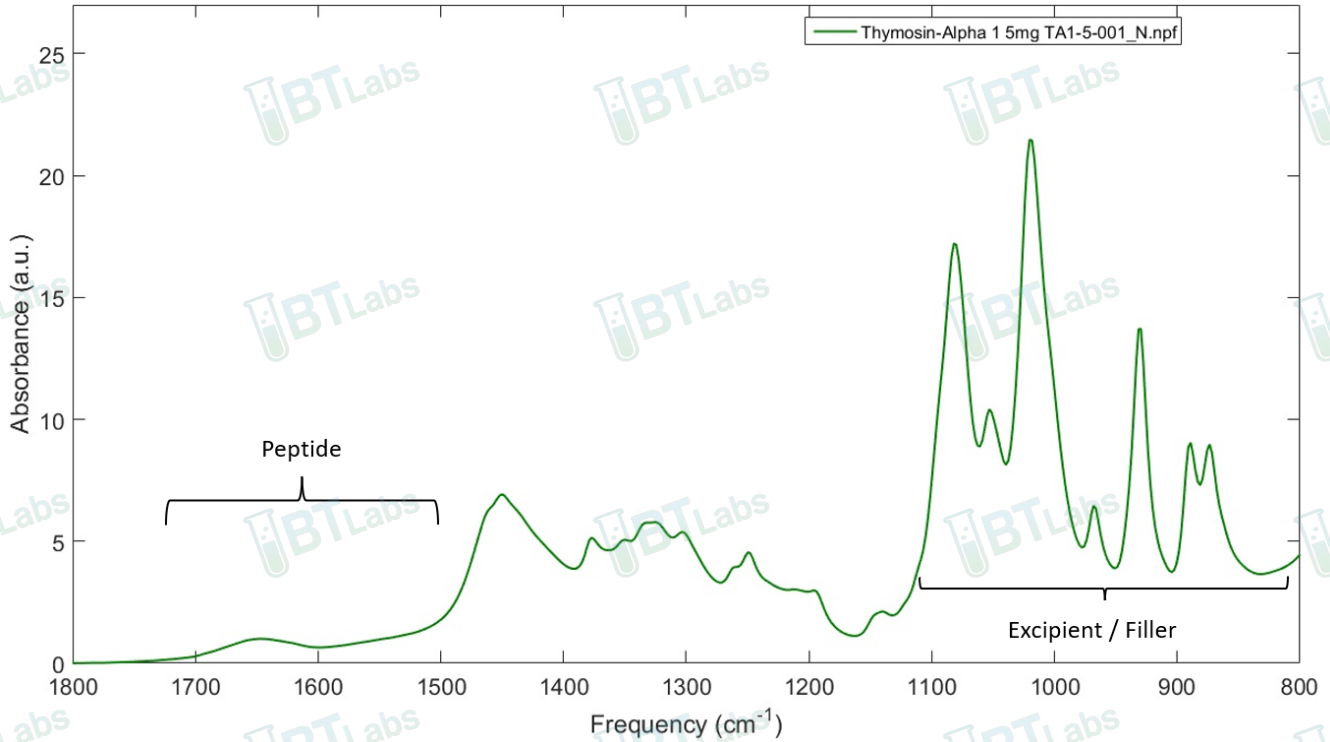
Verna Zheng, AS
Scientist-II
BTLabs



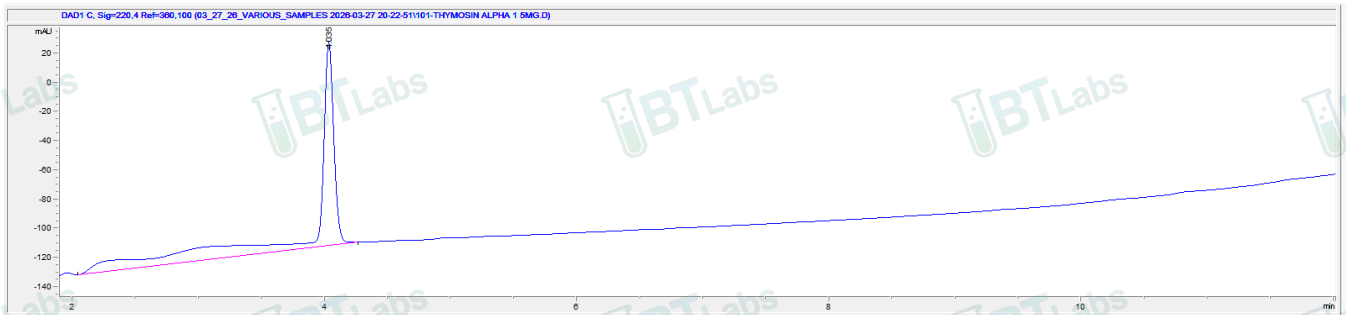
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FTIR ID and Composition Analysis: Thymosin-Alpha 1 Lot TA1-5-001



HPLC Purity and Potency Assay @ 220 nm: Thymosin-Alpha 1 Lot TA1-5-001



Thymosin-Alpha 1 Lot TA1-5-001 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	4.035	1417.7