

Title:

Certificate of Analysis (CoA)



Date: 7/3/2026
Date Tested: 7/1/2026
Customer: AtoZ Research
Testing material: Semax
Lot Number: A2Z-SEMAX-0000001
BT Sample ID: 005000040649559
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, holographic label, silver crimp, black plastic cap.
Labeled as: Semax
Manufacturer: Peptide Biotech
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	58.1 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 Semax with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.7 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	10.5 mg (104.6 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	10.5 : 47.6 mg (1:4.6)

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



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IF-824-QSA-TR006

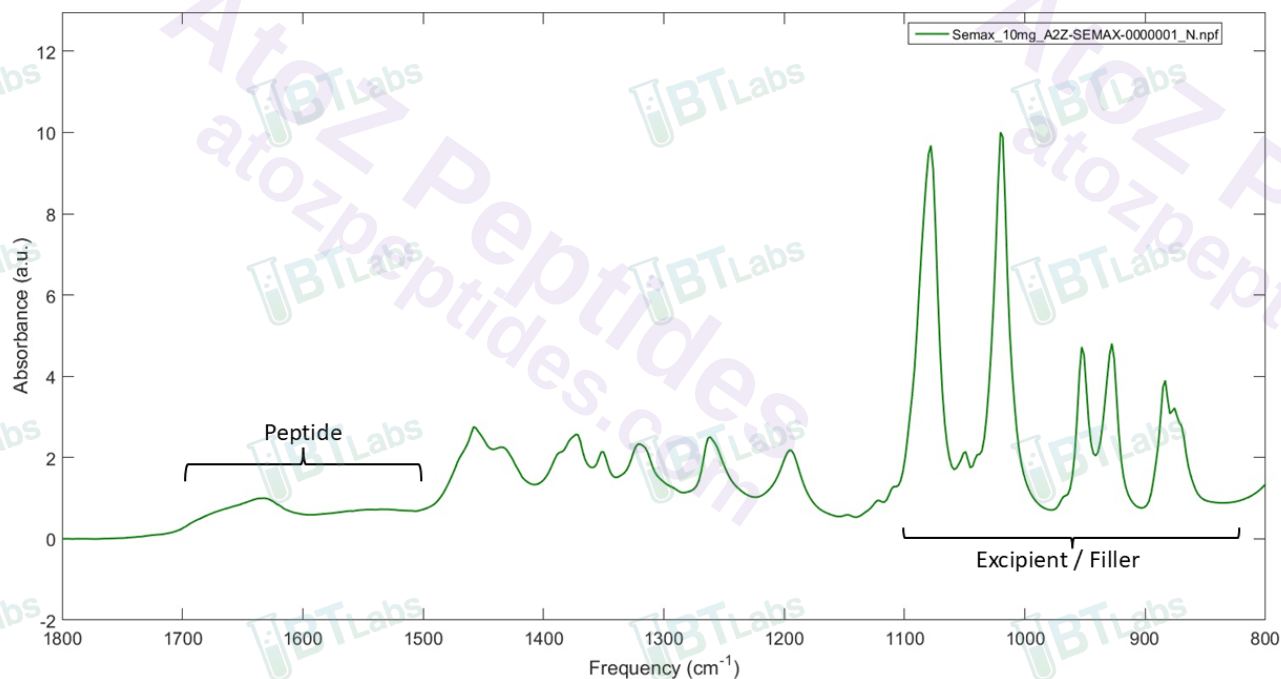
Rev 1.0 January 2025

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FTIR ID and Composition Analysis: Semax Lot A2Z-SEMAX-0000001



HPLC Purity and Potency Assay @ 220 nm: Semax Lot A2Z-SEMAX-0000001



Semax Lot A2Z-SEMAX-0000001 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	4.237	200.3

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