



Report #:

COA261124-005

Page 1 of 2

Title:

Certificate of Analysis (CoA)



Date: 8/22/2026
Date Tested: 8/21/2002
Customer: PatriotBio
Testing material: Semax
Lot Number: 22743
Sample ID: BTL260803-016-005
Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, blue label, silver crimp, lavender plastic cap.
Labeled as: Semax
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	103.1 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: $\geq 98\%$	99.9 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	9.7 mg (96.5 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:0) to (1:10) for (peptide: excipients)	9.7 : 93.5 mg (1:9.7)

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
Scientist-II
BTLabs

5601 Corporate Way | Suite 206 | West Palm Beach, FL 33407

Phone: (561) 625-0133

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

IF-824-QSA-TR006

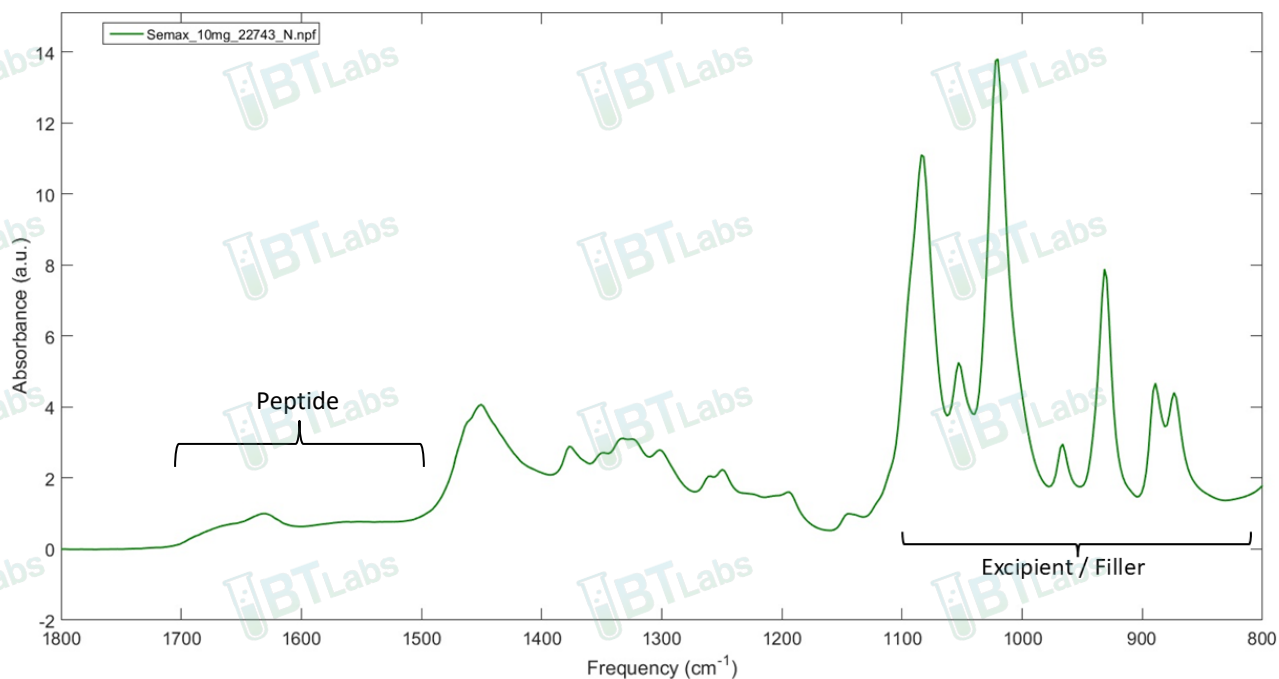
Rev 1.1 August 2026

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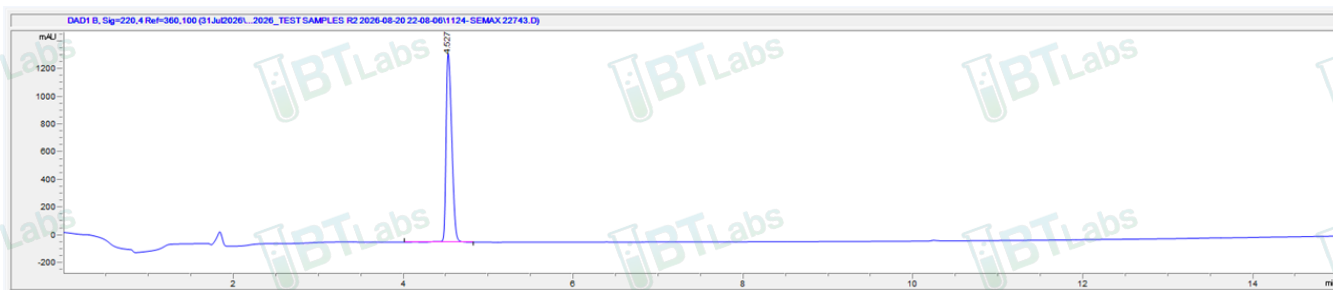
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FTIR ID and Composition Analysis: Semax Lot 22743



HPLC Purity and Potency Assay @ 220 nm: Semax Lot 22743



Semax Lot 22743 @ 220 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	4.527	6377.1