

Title:

## Certificate of Analysis (CoA)

**Date:** 1/23/2026  
**Date Tested:** 1/22/2026  
**Customer:** BioMax  
**Testing material:** Semax  
**Lot Number:** BRSX101426  
**BT Sample ID:** 005000038567605  
**Labeled Peptide Content/Potency:** 5 mg  
**Storage:** R.T.  
**Visual Description:** small clear vial: white sample, white label, silver crimp, green plastic cap.  
**Labeled as:** Semax 5mg  
**Manufacturer:** BioMax  
**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
<b>General Appearance</b>	USP <630>	White powder	White powder
<b>Mass</b>	USP <41>	As recorded	37.8 mg
<b>FTIR Identification and Composition Analysis</b>	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 such as mannitol.
<b>HPLC Purity of Peptide Assay</b>	USP <621>	Specifications: $\geq 98\%$	99.8 %
<b>HPLC Potency Assay</b>	USP <621>	Specifications: 95 – 105% of 5 mg	5.1 mg (101.2 %)

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

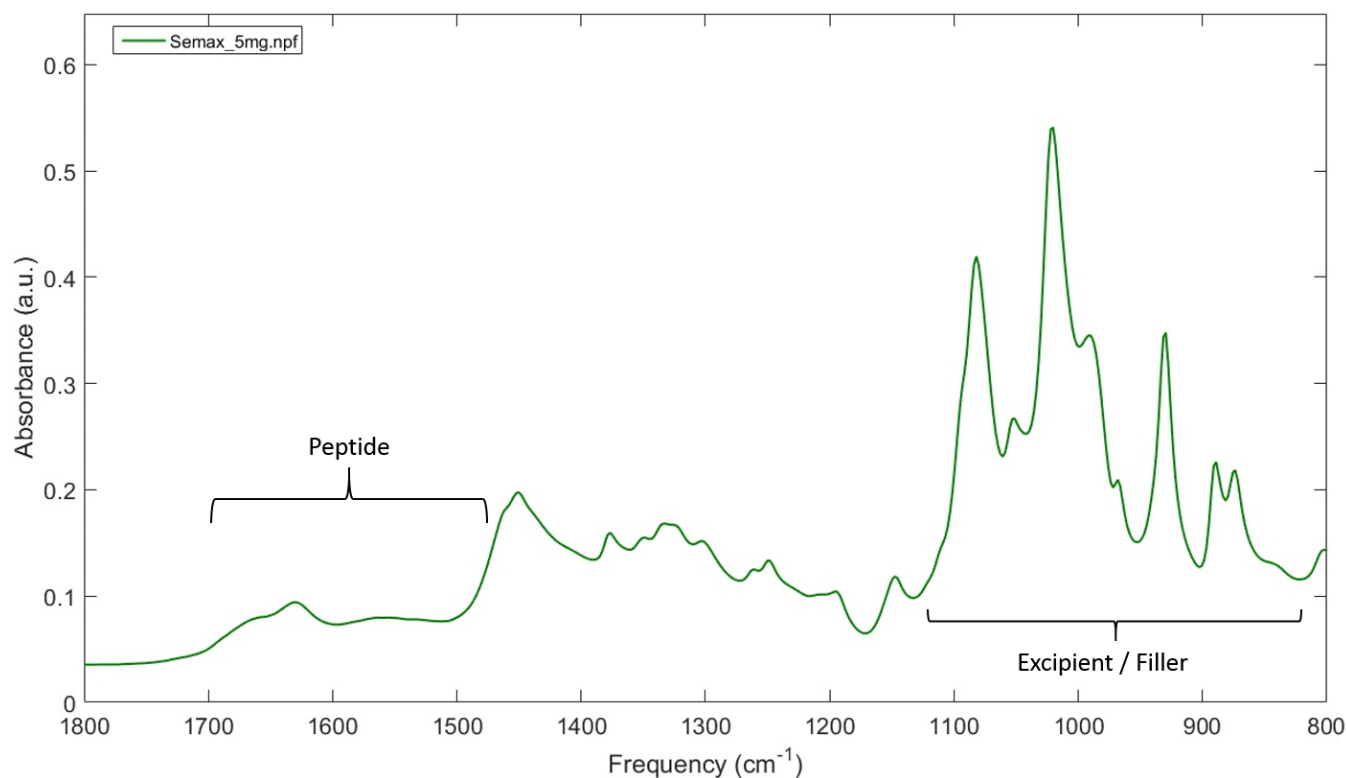
Andrea Castro, AS  
 Scientist-I  
 BTLabs

Verna Zheng, AS  
 Scientist-I  
 BTLabs

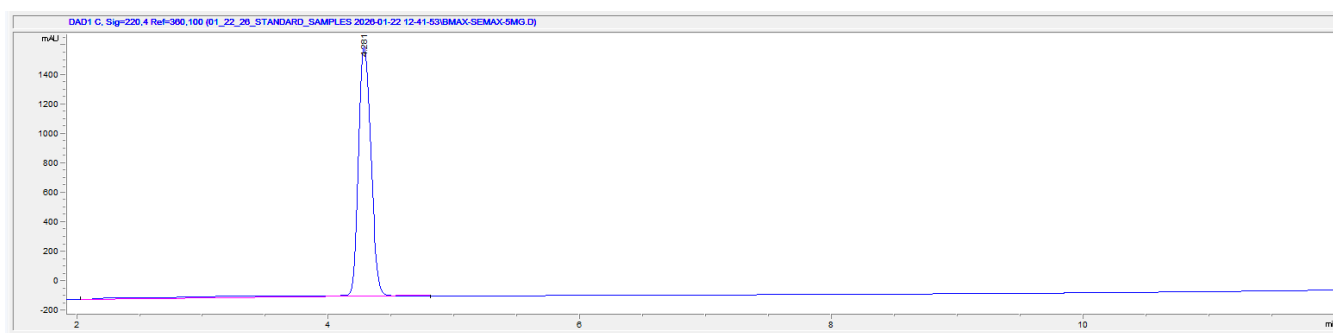
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### FTIR ID and Composition Analysis: Semax Lot BRSX101426



### HPLC Purity and Potency Assay @ 220 nm: Semax Lot BRSX101426



#### Semax Lot BRSX101426 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	4.281	12756.3