

Title:

# Certificate of Analysis (CoA)

<b>Date:</b>	1/23/2026	
<b>Date Tested:</b>	1/22/2026	
<b>Customer:</b>	BioMax	
<b>Testing material:</b>	Semax	
<b>Lot Number:</b>	BRSX101426	
<b>BT Sample ID:</b>	005000038567605	
<b>Labeled Peptide</b>		
<b>Content/Potency:</b>	5 mg	
<b>Storage:</b>	R.T.	
<b>Visual Description:</b>	small clear vial: white sample, white label, silver crimp, green plastic cap.	
<b>Labeled as:</b>	Semax 5mg	
<b>Manufacturer:</b>	BioMax	
<b>Testing Purpose:</b>	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: ≥ 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.

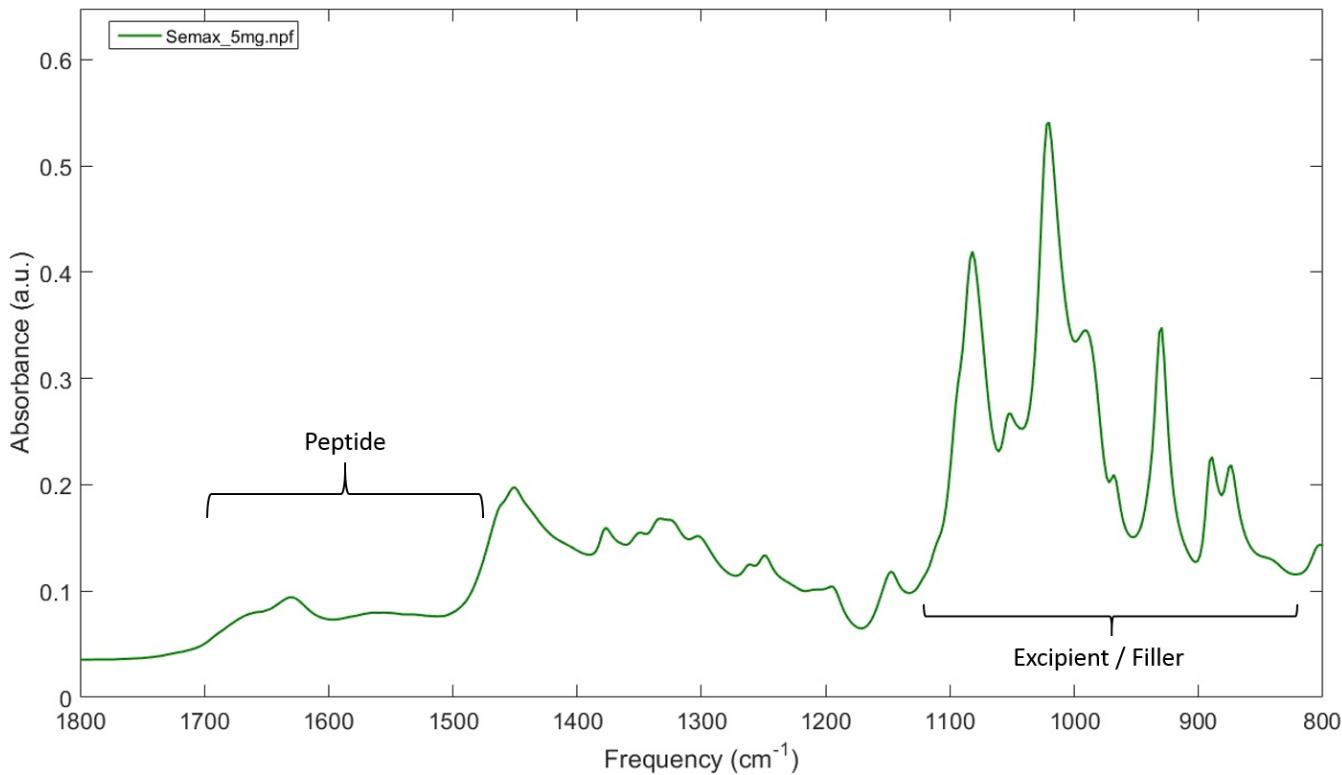
Andrea Castro, AS  
Scientist-I  
BTLabs

Verna Zheng, AS  
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BTLabs

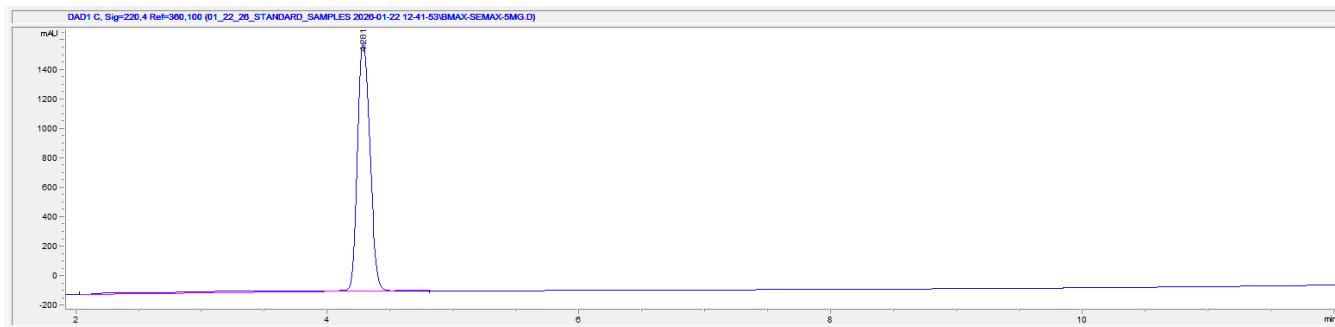
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## FTIR ID and Composition Analysis: Semax Lot BRSX101426



## 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

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