FOREVER YOUNG PHARMACY

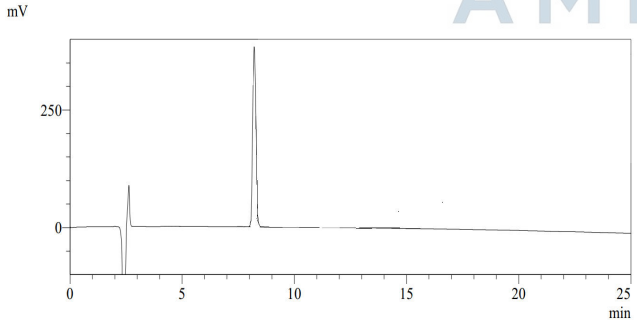
The Science of Staying Young

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	Semax 10 mg
Client Name/Lot No.	Glacier Aminos / Batch# SEM1082501
Sequence	Met-Glu-His-Phe-Pro-Gly-Pro
Dissolution condition	100% H2O
Length	7AA
Molecular Weight	813.93 g/mol

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	8.851	99.587

TEST RESULTS

	Specifications	Results
Strength	10.00 mg	10.43 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.6%
pH value	6.0-8.0	6.5
Impurity	Single Impurity ≤1.0%	0.2%
	Total Impurity ≤2.0%	0.4%

TEST PARAMETERS

Pump A	100% acetonitrile
Pump B	0.01N K2PO4 in 100% water
Total Flow	1.0ml/min
Wavelength	220nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	30uL

CONCLUSION

One 3ml vial contained a white lyophilized powder and has a purple cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% Semax (10.43 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
09/17/2025

****Verify the validity of test results by contacting support@foreveryoungpharmacy.com****