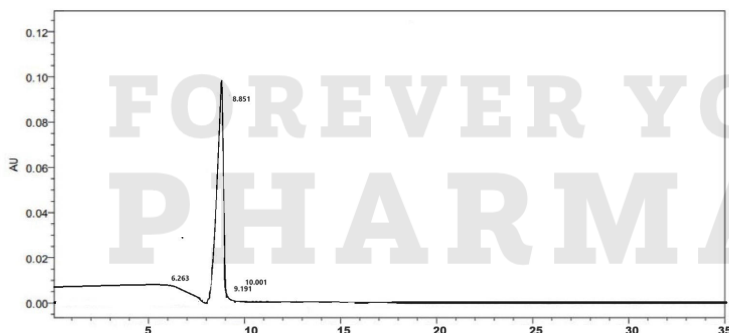


**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

<b>Product Name</b>	Semax 10 mg
<b>Client Name/Lot No.</b>	Forever Young Pharmacy / Lot# 22450
<b>Sequence</b>	Met-Glu-His-Phe-Pro-Gly-Pro
<b>Dissolution condition</b>	100% H2O
<b>Length</b>	7AA
<b>Molecular Weight</b>	813.93 g/mol

**CHROMATOGRAM**



Peak #	Ret. Time	Area %
1	6.263	0.100
2	8.851	99.820
3	9.191	0.039
4	10.001	0.041

**TEST RESULTS**

	Specifications	Results
<b>Strength</b>	5.00 mg	5.65 mg
<b>Appearance</b>	White to off white lyophilized powder	Conforms
<b>Purity</b>	≥98.0%	99.8%
<b>pH value</b>	6.0-8.0	7.0
<b>Impurity</b>	Single Impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.2%

**TEST PARAMETERS**

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

**CONCLUSION**

One 3ml vial contained a white lyophilized powder and has a white cap with a silver foil and Lot# 22450.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.8% Semax (5.65 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**



Dane Fredericksen  
Analytical Chemist

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