



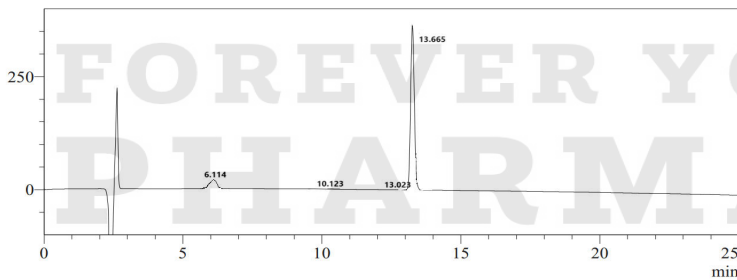
**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

<b>Product Name</b>	Thymosin Alpha-1 5mg
<b>Client Name/Lot No.</b>	Forever Young Pharmacy / Lot# 241909
<b>Sequence</b>	Ac-Ser-Asp-Ala-Ala-Val-Asp-Thr-Ser-Ser-Glu-Ile-Thr-Thr-Lys-Asp-Leu-Lys-Glu-Lys-Lys-Glu-Val-Val-Glu-Glu-Ala-Glu-Asn-OH
<b>Dissolution condition</b>	100% H2O
<b>Length</b>	28AA
<b>Molecular Weight</b>	3108.26 g/mol

**CHROMATOGRAM**

mV



Peak #	Ret. Time	Area %
1	6.114	0.242
2	10.123	0.041
3	13.023	0.116
4	13.665	99.601

**TEST RESULTS**

	Specifications	Results
<b>Strength</b>	5.00 mg	5.34 mg
<b>Appearance</b>	White to off white lyophilized powder	Conforms
<b>Purity</b>	≥98.0%	99.6%
<b>pH value</b>	6.0-8.0	7.0
<b>Impurity</b>	Single Impurity ≤1.0%	0.2%
	Total Impurity ≤2.0%	0.4%

**TEST PARAMETERS**

<b>Pump A</b>	0.1% trifluoroacetic in 100% water
<b>Pump B</b>	0.1% trifluoroacetic in 100% acetonitrile
<b>Total Flow</b>	1.0ml/min
<b>Wavelength</b>	214nm
<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 with a clear cap, silver foil, and Lot# 241909.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% Thymosin Alpha-1 (5.34 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\*\***