



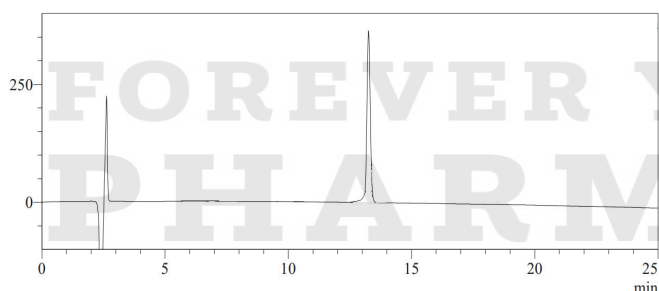
CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	Thymosin Alpha-1 10mg
Client Name/Lot No.	Forever Young Pharmacy / Lot# 25TA1003
Sequence	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
Dissolution condition	100% H2O
Length	28AA
Molecular Weight	3108.26 g/mol

CHROMATOGRAM

mV



Peak #	Ret. Time	Area %
1	7.111	0.410
2	13.024	0.012
3	13.665	99.515
4	14.699	0.063

TEST RESULTS

	Specifications	Results
Strength	10.00 mg	10.52 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.5%
pH value	6.0-8.0	6.5
Impurity	Single Impurity ≤1.0%	0.4%
	Total Impurity ≤2.0%	0.5%

TEST PARAMETERS

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	214nm
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 red cap with silver crimp and is Lot# 25TA1003.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.5% Thymosin Alpha-1 (10.52 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