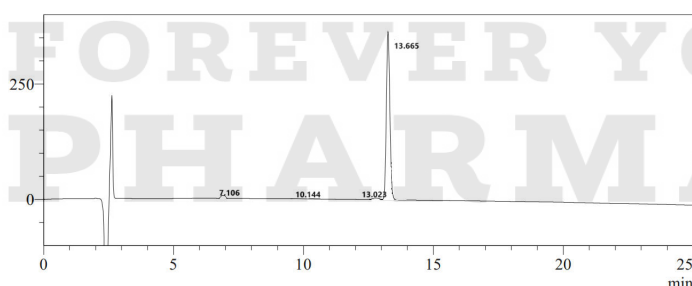


**CERTIFICATE OF ANALYSIS****SAMPLE INFORMATION**

Product Name	Thymosin Alpha-1 10mg
Client Name/Lot No.	Step One Ventures LLC / Batch# PB082424S1V
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	7.106	0.242
2	10.144	0.041
3	13.023	0.016
4	13.665	99.701

TEST RESULTS

	Specifications	Results
Strength	10.00 mg	11.42 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.7%
pH value	6.0-8.0	6.5
Impurity	Single Impurity ≤1.0%	0.2%
	Total Impurity ≤2.0%	0.3%

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 with a translucent blue cap, silver crimp and is Batch# PB082424S1V.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.7% Thymosin Alpha-1 (11.42 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
03/13/2025



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