



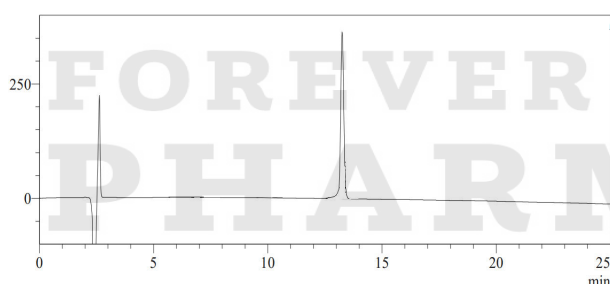
CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

| | |
|------------------------------|---|
| Product Name | Thymosin Alpha-1 10mg |
| Client Name/Lot No. | Ai-Peptides |
| 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 | 6.064 | 0.131 |
| 2 | 10.658 | 0.143 |
| 3 | 13.317 | 0.405 |
| 4 | 13.664 | 99.321 |

TEST RESULTS

| | Specifications | Results |
|-------------------|---------------------------------------|----------|
| Strength | 10.00 mg | 10.27 mg |
| Appearance | White to off white lyophilized powder | Conforms |
| Purity | ≥98.0% | 99.3% |
| pH value | 6.0-8.0 | 6.5 |
| Impurity | Single Impurity ≤1.0% | 0.4% |
| | Total Impurity ≤2.0% | 0.7% |

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 translucent blue cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.3% Thymosin Alpha-1 (10.27 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
07/04/2025



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