

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	Thymosin alpha-1
Lot No.:	VI1920260106-10
Sequence:	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
Modifications:	N-Terminal Acetyl

Quality Control

Test Items	Specifications	Results
Appearance	White to off-white lyophilized powder	White to off-white lyophilized powder (Conforms)
Molecular Weight (MS)	3108.32±1.0 Da	3108.80 Da
Purity by HPLC	>98%	98.1%
Retention Time (HPLC)	±0.2min of Standard	Conforms
Assay	80.0% ~ 120.0%	110.7%
Solubility	10 mg/1ml H ₂ O	Clearly soluble
Acetic Acid Content	≤10.0%	1.8%
TFA Content	≤0.500%	Conforms
DCM Content	≤0.060%	0.001%
DMF Content	≤0.088%	N.D.
Total Aerobic Count	≤100CFU/g	Conforms
Yeast & Molds Count	≤100CFU/g	Conforms
Endotoxins	≤0.5EU/mg	Conforms

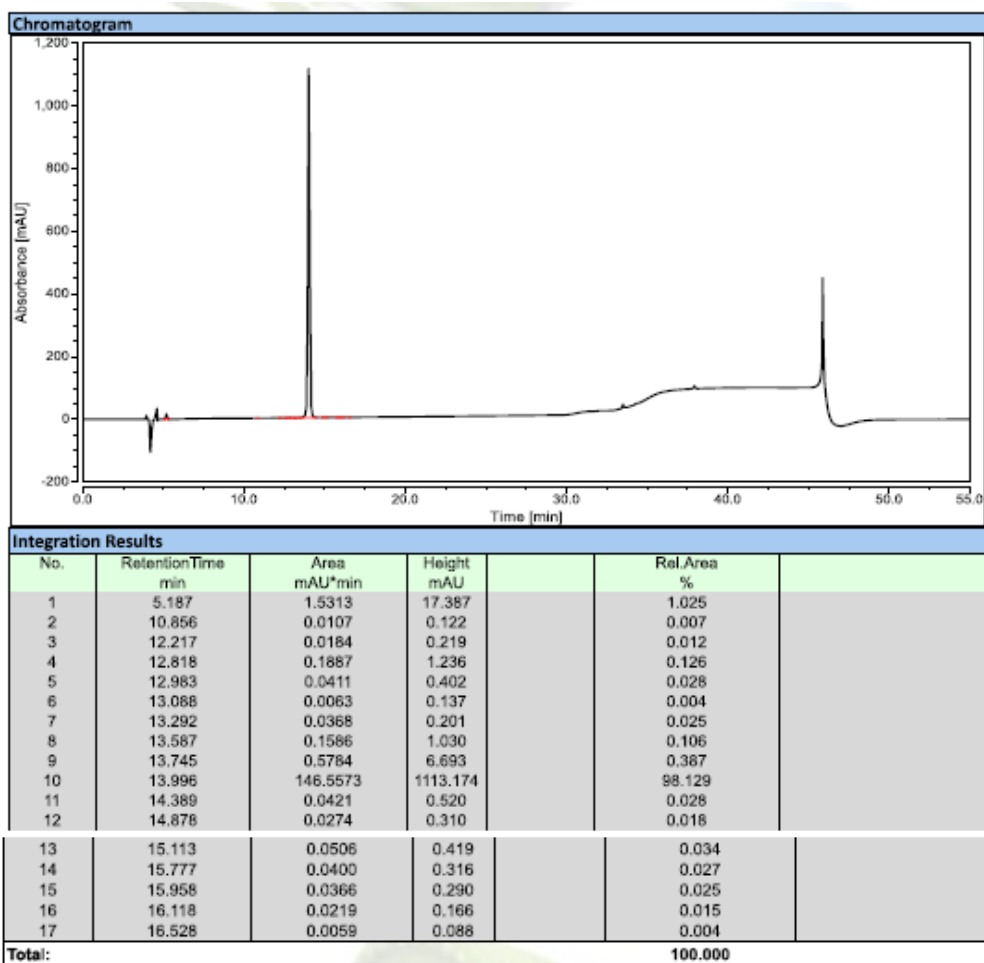
Storage Conditions: -20°C.

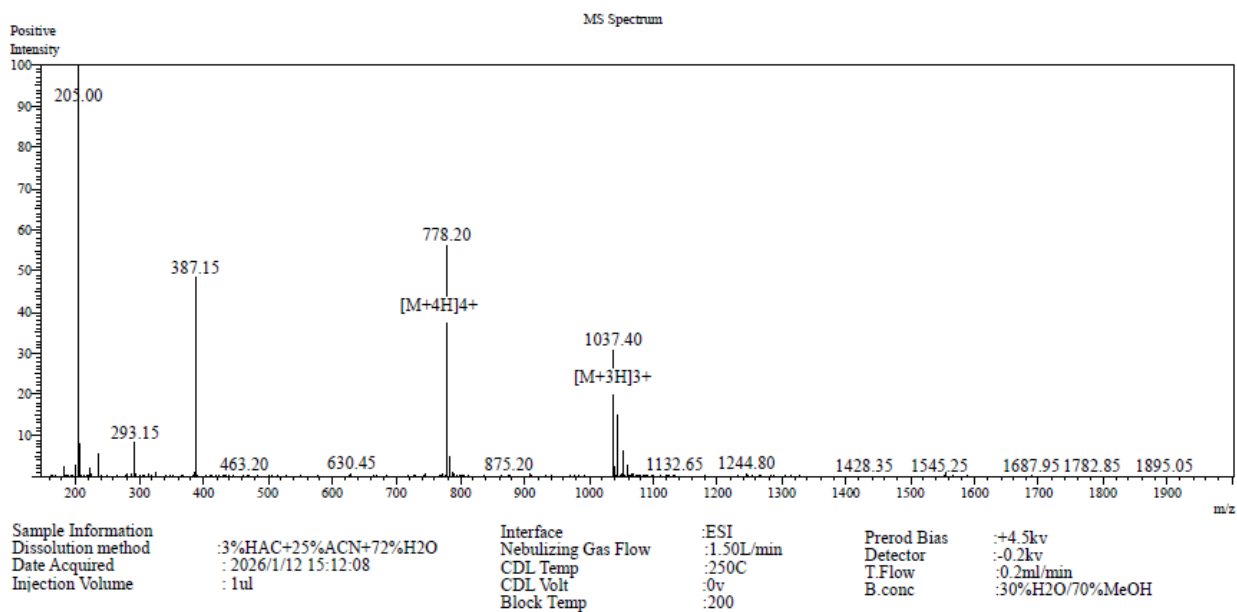
Date of Mfg: 06 Jan 2026

Sample Information

Lot. No	VI1920260106-10
Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	0.8ml/min
Wavelength	220nm
Analytical column type	WelCh Ultimate AQ- C18 (4.6*250mm*5um)
Dissolution method	100%H ₂ O
Acquisition Time	2026/01/09 12:52
Inj. Volume	25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	12
25.00	Pumps	B.Conc	37
30.00	Pumps	B.Conc	90
40.00	Pumps	B.Conc	90
41.00	Pumps	B.Conc	12
55.00	Controller	Stop	





Lot No.	VI1920260106-10
Theoretical	3108.32
Observed	3108.80