



Certificate of Analysis

Research Use Only - Not For Human Use

IDENTITY

Product: Thymosin Alpha-1 5mg
CAS No: 62304-98-7
PubChem CID: 3085284
Chemical Name: Thymosin Alpha-1 (28-aa peptide)
MG: 5mg

Physical and Chemical Properties

Molecular Formula	C129H215N33O55
Molecular Weight	3108.35 g/mol
Chemical Structure	H-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

STORAGE

- Powder: -20°C 3 years ; 4°C 2 years ; 15°C 3 month
- In solvent: -80°C 6 months ; -2°C 1 month ; 10°C 1 week

Analytical Data

Attribute	Specification	Result
Appearance	White to off-white lyophilized solid powder	Conforms
Purity (HPLC)	≥ 99%	99.3%
Identity (MS)	Observed m/z consistent with expected	Conforms
Residual Solvents	Meets ICH limits	Conforms
Water Content	≤ 6%	Conforms

Conclusion: The product has been tested and complies with the given specifications. The product is intended for research purposes only and not for human consumption

