



CERTIFICATE OF ANALYSIS · IDENTITY · PURITY

Thymosin α1

12.5 mg

Client: **Luxara Research Company - LuxaraLabs.com**
LAB ID TA1-015_D ISSUED SEPTEMBER 12, 2026

§ 01 Sample Information

Sample ID: **TA1-015_D**
Compound: **Thymosin α1**
Report No.: **COA-2026-SC-02307**
Lot Number: **TA1505**
Total Mass: **82.7 mg**
Appearance: **Lyophilized powder**
Received: **09/01/2026**
Analyzed: **09/12/2026**
CAS: **62304-98-7**
Formula: **C₁₂₉H₂₁₅N₃₃O₅₅**
Mol Weight: **3108.3 g/mol**



SAMPLE PHOTOGRAPH

§ 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)
Instrument · Agilent 1290 Infinity II with Agilent 6495 QQQ

IDENTITY	NET PEPTIDE CONTENT	PEPTIDE FILL ACCURACY	CHROMATOGRAPHIC PURITY
Thymosin α1 Principal component confirmed against reference standard	15.21 mg Total peptide in the vial as received	121.7 % Measured net content ÷ declared label claim	99.5 % Principal-component peak area (Ph. Eur. 2.2.46)

Identity confirmation criteria — MRM 777.6 > 316.1 (quantifier); retention time —: in agreement with reference standard.

Chromatographic purity bounds peptide-related impurities only — not excipients, counter-ions, or residual water — and is separate from net peptide content. Values are reported as measured; this document contains **no pass/fail determination** against any specification or label claim.

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