

Thymosin Alpha-1 (T α 1) Immune Modulator

Repair & Recovery • 2mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Thymosin Alpha-1 (T α 1) Immune Modulator	Batch / Lot no.	GP26-2088
Category	Repair & Recovery	Strength	2mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	2230.1 m/z	[M+H] ⁺ theoretical	2230.1 m/z
[M+2H] ²⁺ observed	1115.6 m/z	Mass deviation	+0.0 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.2 % (area normalisation)	Content, % of label claim	98.6 %
Measured content	1.97 mg/vial (label claim 2mg)		

4. ANALYTICAL DATA

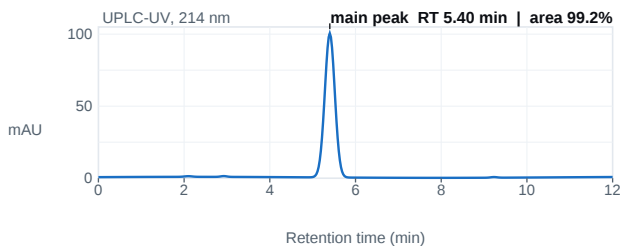


Fig. 1 — UPLC chromatogram; main peak 5.40 min, 99.2% area.

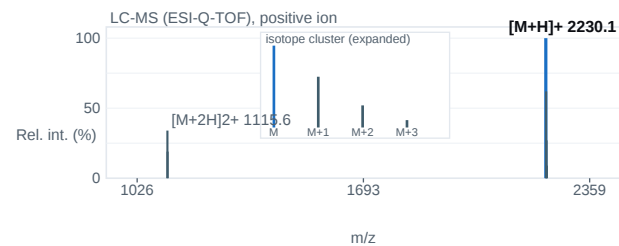


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 2230.1 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.2%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. A. Novak	Approved (QA)	Dr. H. Bergström
Date of test	24 August 2026	Date of manufacture	9 August 2026
Expiry	9 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2088**

Verification key: **MQVN-8VX8**

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