

TB-500 (Thymosin Beta-4 Fragment)

Repair & Recovery • 20mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	TB-500 (Thymosin Beta-4 Fragment)	Batch / Lot no.	GP26-2152
Category	Repair & Recovery	Strength	20mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	1838.4 m/z	[M+H] ⁺ theoretical	1838.7 m/z
[M+2H] ²⁺ observed	919.9 m/z	Mass deviation	-0.3 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.0 % (area normalisation)	Content, % of label claim	101.4 %
Measured content	20.28 mg/vial (label claim 20mg)		

4. ANALYTICAL DATA

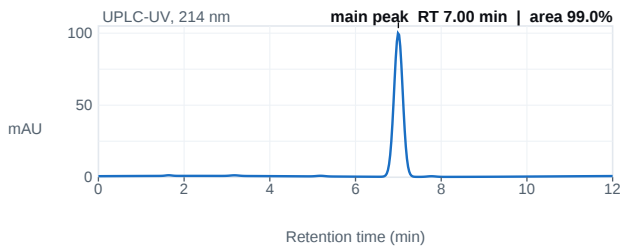


Fig. 1 — UPLC chromatogram; main peak 7.00 min, 99.0% area.

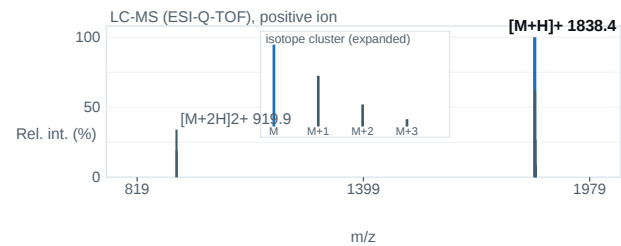


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 1838.4 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.0%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. R. Okonkwo	Approved (QA)	Dr. P. Achebe
Date of test	5 September 2026	Date of manufacture	20 August 2026
Expiry	20 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2152**

Verification key: **SW89-ZBKW**

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