

## TB-500 (Thymosin Beta-4 Fragment)

Repair & Recovery • 10mg • Research Use Only

### 1. SAMPLE IDENTIFICATION

|              |                                   |                 |                    |
|--------------|-----------------------------------|-----------------|--------------------|
| Product      | TB-500 (Thymosin Beta-4 Fragment) | Batch / Lot no. | GP26-2154          |
| Category     | Repair & Recovery                 | Strength        | 10mg               |
| Presentation | Research Vial                     | Dosage form     | Lyophilised Powder |

### 2. IDENTITY CONFIRMATION

|                               |                   |                                |                                |
|-------------------------------|-------------------|--------------------------------|--------------------------------|
| Method                        | LC-MS (ESI-Q-TOF) | Result                         | Conforms to reference standard |
| [M+H] <sup>+</sup> observed   | 939.1 m/z         | [M+H] <sup>+</sup> theoretical | 939.5 m/z                      |
| [M+2H] <sup>2+</sup> observed | 470.3 m/z         | Mass deviation                 | -0.4 Da                        |

### 3. PURITY AND QUANTITATIVE CONTENT

|                        |                                  |                           |                 |
|------------------------|----------------------------------|---------------------------|-----------------|
| Technique              | UPLC                             | Method                    | UPLC-UV, 214 nm |
| Chromatographic purity | 98.9 % (area normalisation)      | Content, % of label claim | 100.4 %         |
| Measured content       | 10.04 mg/vial (label claim 10mg) |                           |                 |

### 4. ANALYTICAL DATA

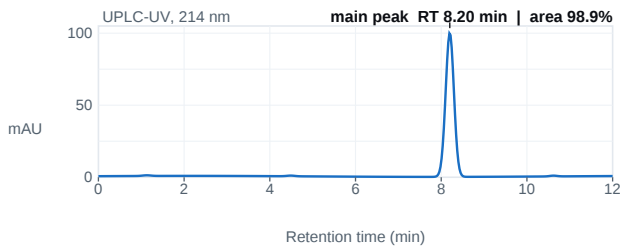


Fig. 1 — UPLC chromatogram; main peak 8.20 min, 98.9% area.

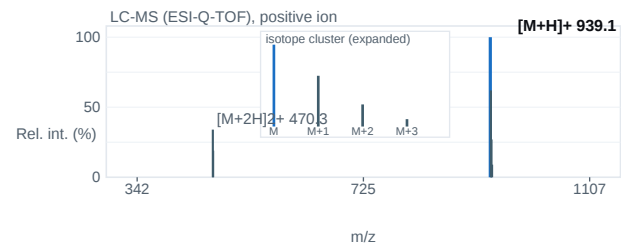


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]<sup>+</sup> 939.1 m/z.

**RESULT**      **PASS — Identity conforms; chromatographic purity 98.9%**

### 5. AUTHORISATION AND VERIFICATION

|              |                 |                     |                                   |
|--------------|-----------------|---------------------|-----------------------------------|
| Analyst      | Dr. K. Yamamoto | Approved (QA)       | Dr. H. Bergström                  |
| Date of test | 21 August 2026  | Date of manufacture | 4 August 2026                     |
| Expiry       | 4 August 2029   | Laboratory          | Puralytix Analytical Laboratories |

#### Verify this certificate

Report ID: **GP26-2154**

Verification key: **KNJ2-NVC2**

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Enter the report ID and verification key on the page above, or scan the QR code, to confirm this certificate is genuine.



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