



ChromIQ Analytical Laboratory

HPLC-MS Quality Control & Peptide Purity Analysis  
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PRODUCT DATA

|                    |                                  |                   |                                                                                                                                       |
|--------------------|----------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Product            | TB-500 (Thymosin $\beta$ -4)     | Batch             | TB500-B0195                                                                                                                           |
| CAS                | 77591-33-4                       | Formula           | C <sub>212</sub> H <sub>350</sub> S <sub>56</sub> N O <sub>78</sub> S                                                                 |
| Appearance         | White lyophilized powder         | Mol. Wt.          | 4963.44 g/mol                                                                                                                         |
| Quantity           | 5 mg / vial                      | Purity            | 99.63%                                                                                                                                |
| Content            | 5.06 mg                          | Analysis Method   | RP-HPLC, UV 214 nm   C18, 100 $\times$ 2.1 mm, 2.7 $\mu$ m   Flow: 0.40 mL/min   Gradient: 5-95% ACN over 20 min   Inj.: 10.0 $\mu$ L |
| Analysis Conducted | 2026-05-22                       | Principal Chemist | Dr. Marek Janowski, Ph.D.                                                                                                             |
| Produced           | 2026-05-20                       | Storage           | Store at -20 $^{\circ}$ C, protect from light                                                                                         |
| QC Status          | PASS — conforms to specification | Report No.        | CIQ-RPT-B0195                                                                                                                         |

HPLC CHROMATOGRAM

Signal: UV 214 nm    Detector: DAD1B

Method: Column: C18, 100  $\times$  2.1 mm, 2.7  $\mu$ m | Flow: 0.40 mL/min | Gradient: 5-95% ACN over 20 min | Injection: 10.0  $\mu$ L

Mobile Phase: H<sub>2</sub>O/ACN + 0.1% TFA

