PRECISION MASS SPEC
CHEMICAL • PHARMACEUTICAL

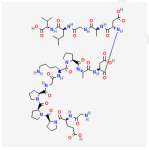
# CERTIFICATE OF ANALYSIS

| | |
|---|---|
| COA Number | **PMS-3467182315** |
| Client | **AgeRe** |
| Product | **Wolverine 20 mg (BPC157 10mg/TB500 10mg)** |
| Received | **10/28/2026** |
| Report Date | **11/02/2026** |
| Lot Number | **A0916B-AR-WOLB-1030** |

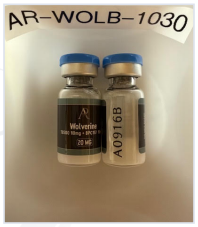
## PRODUCT IDENTIFICATION

HPLC-UV coupled with LC-MS, standard laboratory conditions

| | | | |
|---|---|---|---|
| **Compound Name** | BPC-157/Thymosin Beta-4(TB-500) | **CAS No.** | NA-Unknown Blend |
| **Molecular Formula** | NA-Unknown Blend | **Molecular Weight** | NA-Unknown Blend |
| **Appearance** | White Lyophilized Powder | **Compound Concentration** | 20mg |
| **Sequence:** | GEPPPGKPADDAGLV + SDKPDMAEIEKFDKSKLKKTETQEKNPLPSKETIEQEKQAGES | | |



BPC-157 TB-500




CLIENT SAMPLE PHOTO

## SAMPLE IDENTIFICATION

Client-supplied, verified at intake

| | | | |
|---|---|---|---|
| **Product Company** | AgeRe | **Container Size** | 3ml Glass Vial |
| **Cap Color** | Blue | **Crimp / Seal Color** | Silver |

## ANALYTICAL RESULTS

| Test | Specification | Result | Status |
|---|---|---|---|
| Purity (HPLC) | >= 90.0% | **99.08%** | **PASS** |
| Mass Identification (LC-MS) | Conforms to declared compound | **BPC-157 / TB-500** | **PASS** |
| Net Compound Content | 90.0–110.0% of 20 mg | **BPC-157 — 10.19 mg<br>TB-500 — 10.01 mg<br>Total — 20.20 mg** | **PASS** |
| Water Content (Karl Fischer) | <= 10.0% | **4.99%** | **PASS** |
| Acetate Content (HPLC) | < 12.0% | **4.04%** | **PASS** |
| Heavy Metals (ICP-MS) | < 10 ppm | **Not Detected** | **PASS** |
| Bacterial Endotoxins (LAL) | < 5 EU/mg | **Not Detected** | **PASS** |
| Mass Balance | 95.0 – 105.0% | **Conforms** | **PASS** |
| Sterility (RMM) | USP <71> | **Not Requested** | - |
| pH (1 mg/mL in purified water, 25°C) | Report result | **Not Requested** | - |

## ANALYST NOTES

Sample received labeled as BPC-157 / TB-500 blend, 20 mg total (10 mg / 10 mg), white lyophilized powder.

Identity: LC-MS analysis resolved two principal peaks. The peak at RT 7.39 min produced a doubly charged ion at m/z 445.3 as the base peak, with a singly charged ion at m/z 889.5, a sodium adduct at m/z 911.5 and a triply charged ion at m/z 297.2, corresponding to a monoisotopic mass of 888.5 Da, consistent with TB-500 (Ac-Leu-Lys-Lys-Thr-Glu-Thr-Gln, theoretical monoisotopic mass 888.5 Da). The peak at RT 8.91 min produced a doubly charged ion at m/z 710.8 as the base peak, with a triply charged ion at m/z 474.2 and a singly charged ion at m/z 1420.5, corresponding to an intact mass of 1419.5 Da, consistent with BPC-157 (CAS 137525-51-0, theoretical 1419.5 Da). Identity result: Conforms for both components.

Purity: 99.08% by HPLC-UV, combined area of the two declared peptide peaks relative to total integrated peak area. No related-substance peaks above the reporting threshold.

Net content: BPC-157 quantified at 10.19 mg per vial (101.9% of label claim) and TB-500 at 10.01 mg per vial (100.1% of label claim), each against its own calibration curve, for a combined 20.20 mg (101.0% of the 20 mg total). Net content result: Conforms for both components (within 90.0 to 110.0% of label).

Conclusion: Sample conforms to label for identity, purity and net content of both declared components.

## INSTRUMENT DATA

Traces behind the results above

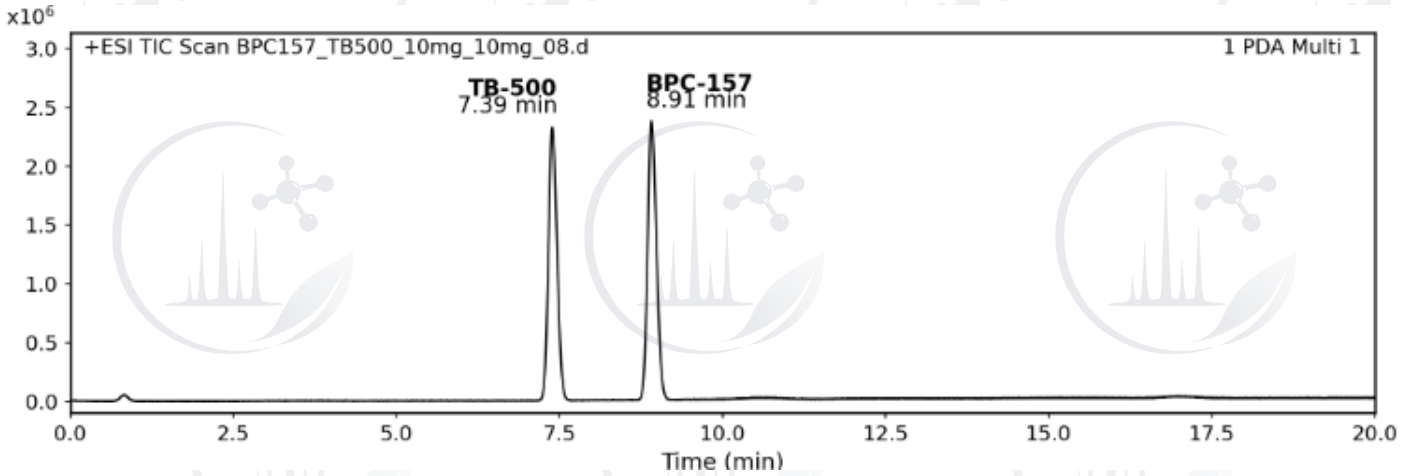



FIGURE 1 — TOTAL ION CHROMATOGRAM (LC-MS)

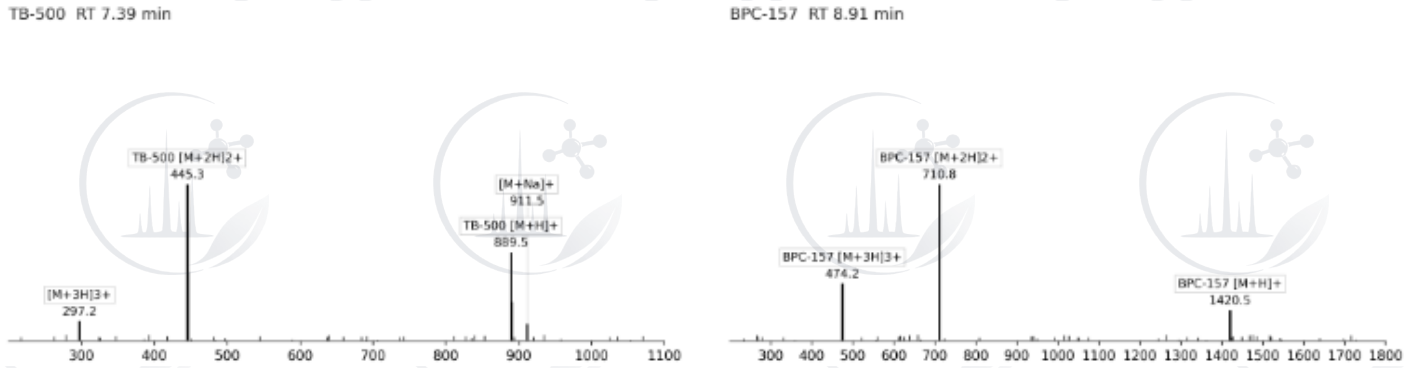



FIGURE 2 — MASS SPECTRUM, PRINCIPAL PEAK (LC-MS)

Lee Adams

**Lee Adams**
Lab Director
**COA: PMS-3467182315**

The analysis reported herein was conducted using HPLC-UV and LC-MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The compounds tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables. The sample image included in this Certificate of Analysis was provided by the client during intake. For research use only.

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