# Certificate of Analysis

**ILS Laboratories**
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(619) 329-3999 | ils-lab.com

## TB500 - 10

**Tested for: Orion Research**

**PASS**

Scan to verify authenticity at ils-lab.com
**Access Code: A2GXM68J**

| | | | |
|---|---|---|---|
| COA #: | **COA-2026-LIJMSF** | Analysis Date: | **10/20/2026** |
| Lot Number: | **26BT-01** | Cap Color: | **WHITE** |
| Labeled Content: | **10** | Date Received: | **10/16/2026** |
| Volume: | **3mL** | | |

Method: **Purity, Identity & Quantitation (HPLC)**

| Identity | Peptide Purity | |
|---|---|---|
| **TB500** | **99.65%** | Fentanyl Free |

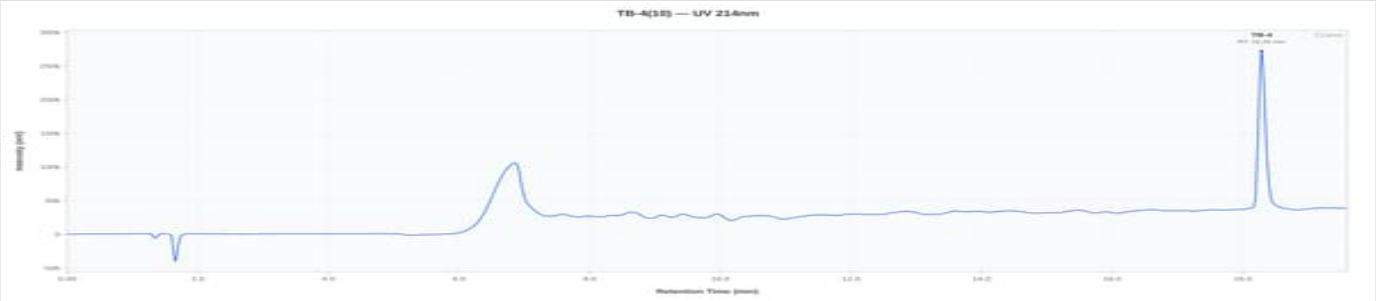


*TB500 10 - 26BT-01*

### Purity, Identity & Quantitation (HPLC)

| Analyte | Specification | Result | Unit | Status |
|---|---|---|---|---|
| **Peptide Purity (HPLC)** | >= 95.0% | **99.65%** | % | **PASS** |
| **Net Peptide Content** | Report Only | **10.68** | mg | N/A |
| **Identity (HPLC-RTM)** | TB-4 | **Confirmed** | - | **PASS** |
| **Fentanyl Screen** | Immunoassay, 50 ng/mL cutoff | **Not Detected** | - | **PASS** |

### HPLC Chromatogram



*TB500 10 - 26BT-01: UV Chromatogram*

### Notes & Methodology

1. Date Tested: 10/20/2026. Methods: Purity, Identity & Quantitation (HPLC).
2. The sample was confirmed to be TB500 by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.
4. Accreditation Scope: ILS Laboratories maintains ISO/IEC 17025 accreditation for activities listed in its published PJLA scope. Peptide testing reported on this certificate is performed for Research Use Only.
5. This certificate reports analytical results for the sample(s) submitted to ILS Laboratories for testing. All sample identifications, product names, brand names, lot/batch numbers, and labeled content are provided by the submitting party and have not been independently verified. Results reflect only the analytical testing of the specific sample(s) provided and do not constitute an evaluation or endorsement of the manufacturer's processes, quality systems, or overall production. ILS Laboratories makes no representations regarding the intended use, safety, efficacy, regulatory status, or intellectual property ownership of any materials tested.

**Issued by ILS Laboratories**
(619) 329-3999
ils-lab.com

**Dr. Greg Kalyuzhny**
Lab Director
10/20/2026

COA #: **COA-2026-LIJMSF**
Access Code: **A2GXM68J**
Verify: portal.ils-lab.com/verify/UeuuonY-9q8bTRvn
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