# Certificate of Analysis

**ILS Laboratories**
8222 Vickers St, Suite 106, San Diego, CA 92111
(619) 329-3999 | ils-lab.com

## Semaglutide - 5mg

**4X TESTED**

**PASS**

**Tested for: Northwest Peptides**

| | | | |
|---|---|---|---|
| COA #: | **COA-2026-Z0BFWM** | Analysis Date: | **10/29/2026** |
| Lot Number: | **SM5-20260102** | Cap Color: | **Blue** |
| Accession #: | **ACC-2026-24093** | Volume: | **3mL** |
| Labeled Content: | **5mg** | Date Received: | **10/26/2026** |

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

Scan to verify authenticity at ils-lab.com
**Access Code: HNDB5KXH**

| Identity | Peptide Purity | |
|---|---|---|
| **Semaglutide** | **99.86%** | Fentanyl Free |

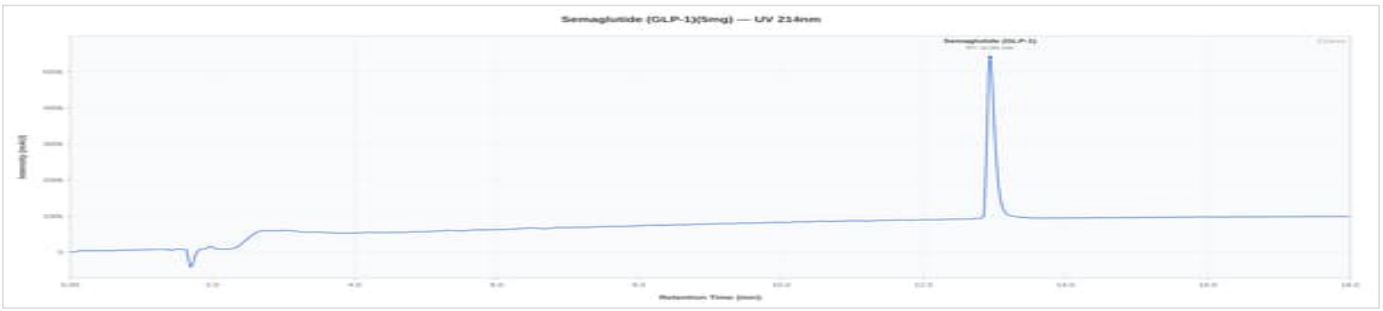


*Semaglutide 5mg - SM5-20260102*

### Purity, Identity & Quantitation (HPLC)

| Analyte | Specification | Result | Unit | Status |
|---|---|---|---|---|
| **Peptide Purity (HPLC)** | >= 95.0% | **99.86%** | % | **PASS** |
| **Net Peptide Content** | Report Only | **5.27** | mg | N/A |
| **Identity (HPLC-RTM)** | Semaglutide (GLP-1) | **Confirmed** | - | **PASS** |
| **Fentanyl Screen** | Immunoassay, 50 ng/mL cutoff | **Not Detected** | - | **PASS** |

### HPLC Chromatogram




*Semaglutide 5mg - SM5-20260102: UV Chromatogram*

### Notes & Methodology

1. Date Tested: 10/29/2026. Methods: Purity, Identity & Quantitation (HPLC).
2. The sample was confirmed to be Semaglutide 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. Quality System: ILS Laboratories operates an ISO/IEC 17025 quality management system. Peptide testing 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
10/29/2026

COA #: **COA-2026-Z0BFWM**
Access Code: **HNDB5KXH**
Verify: portal.ils-lab.com/verify/ncScCqYHUC4O97oj
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