SIDECHAIN ANALYTICS

SCAN TO VERIFY
COA-2026-SC-04781
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CERTIFICATE OF ANALYSIS · IDENTITY · PURITY

# Tirzepatide

**30 mg** · CAS 2023788-19-2 · $C_{225}H_{348}N_{48}O_{68}$ · 4813.5 g/mol

Client: **Northern Research Supply**

SAMPLE ID **TIR-156_D** ISSUED NOVEMBER 10, 2026

## § 01 Sample Information

| | |
|---|---|
| Report No.: | **COA-2026-SC-04781** |
| Appearance: | **Lyophilized powder** |
| Received: | **11/03/2026** |
| Analyzed: | **11/10/2026** |



SAMPLE PHOTOGRAPH

## § 02 Analytical Results

*Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)*
*Instrument · Agilent 1290 Infinity II with Agilent 6495 QQQ*

| IDENTITY | NET PEPTIDE CONTENT | PEPTIDE FILL ACCURACY | CHROMATOGRAPHIC PURITY |
|---|---|---|---|
| **Confirmed** | **34.56 mg** | **115.2 %** | **99.8 %** |
| Principal component confirmed against reference standard | Total peptide in the vial as received | Measured net content ÷ declared label claim | Principal-component peak area (Ph. Eur. 2.2.46) |

**Chromatographic purity** is calculated by quantifying every peptide in the method and expressing the target peptide's concentration as a percentage of the total peptide concentration measured — the target against all other peptide signal detected in the same sample. It is separate from net peptide content; this document contains **no pass/fail determination** against any specification or label claim.

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*Results relate **only to the sample as received** by Side-Chain Analytics Inc. and the tests performed, as and when received — not to any other unit, vial, lot, or batch, and not to any other product bearing the same name, label, or description. This report is not a verification of any lot or batch. **For research use only**: this report is not a certificate of quality, safety, efficacy, or regulatory compliance; the material tested is not authorized by Health Canada for human or veterinary use; and this report is not for human or veterinary administration, clinical or diagnostic use, or label claims. Side-Chain Analytics Inc. does not manufacture, source, or sell the material tested and makes **no warranty, express or implied**; its liability shall not exceed the testing fee. This report may not be reproduced except in full, and may not be reproduced, displayed, quoted, or referenced — in whole or in part, including by any badge, seal, or link — in connection with the advertising, offer for sale, sale, or distribution of any product. This certificate is valid only as currently shown at sidechainanalytics.com/verify and may be withdrawn.*

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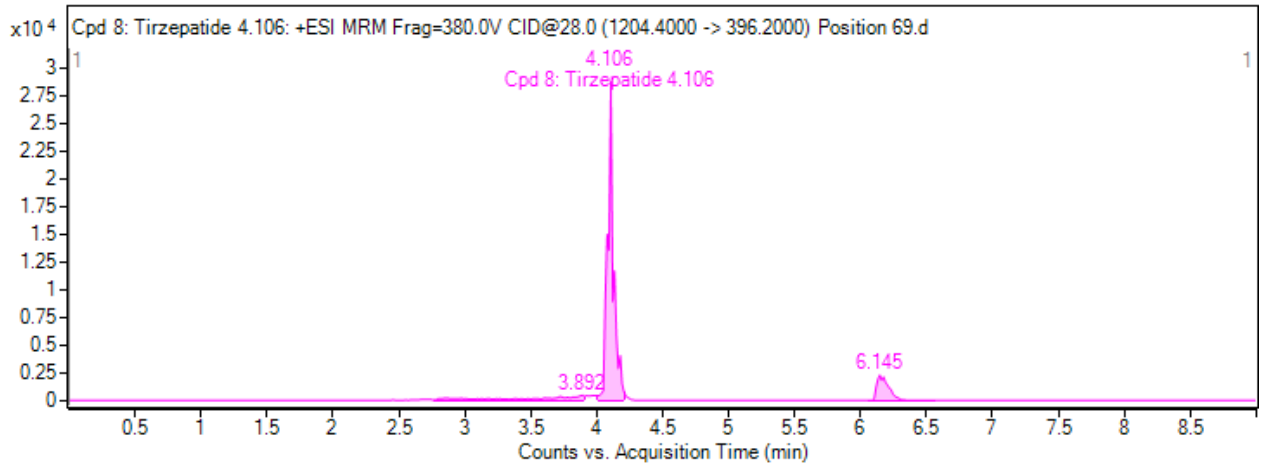
## § 03 Chromatogram — Tirzepatide

Instrument acquisition — HPLC-MS/MS (MRM). Chromatographic trace as acquired for this sample.




**Tirzepatide**