Peptide Test Canada
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Canada's Most Trusted Independent Peptide Testing Lab

Certificate of Analysis

SCAN TO VERIFY

PTC-VFFSMLL5

Sample ID: **TIR-121**

REPORTED October 17, 2026

CLIENT

VERIFY peptidetestcanada.ca/verify

EMAIL info@peptidetestcanada.ca

ORDER # PTC-733882

END CUSTOMER

NAME Peptide Confidential

§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID:	**TIR-121**	Received:	**10/09/2026**
Compound:	**Tirzepatide**	Analyzed:	**10/17/2026**
Report No.:	**COA-2026-SC-03542**	CAS:	**2023788-19-2**
Lot Number:	**TZ20-GZ-092526**	Formula:	**$C_{225}H_{348}N_{48}O_{68}$**
Appearance:	**Lyophilized powder**	Mol Weight:	**4813.5 g/mol**

SAMPLE PHOTOGRAPH

§ 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)

	SPECIFICATION	RESULT
Compound Test:	Tirzepatide	**Tirzepatide**
Net Peptide Content:	20.00 mg	**22.50 mg**
Peptide Fill Accuracy:	≥ 90 %	**112.5 %**
Chromatographic Purity:	≥ 98 %	**99.3 %**

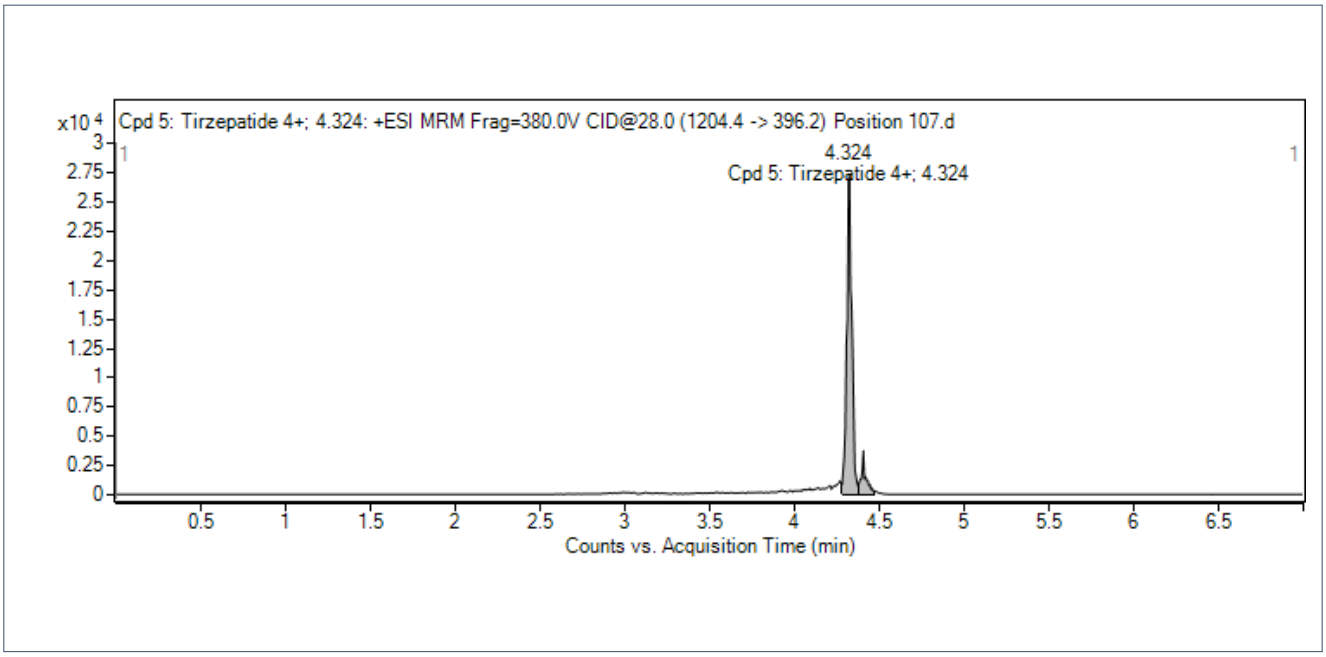
Peptide fill accuracy is the measured net peptide content expressed as a percentage of the declared label claim (measured ÷ label claim × 100).

Chromatographic purity is the target peptide's concentration as a percentage of the total peptide concentration measured — the target peptide against the other trace peptides detected in the same sample. It reflects peptide-related impurities only; it does not measure salts, excipients, or water, and is separate from net peptide content (the actual mg of peptide). **—** means not determined.

DISCLAIMER · RESEARCH USE ONLY
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 report may be withdrawn.

§ 03 Chromatogram — Tirzepatide

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



Tirzepatide