

Tirzepatide

GLP-1 • 20mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Tirzepatide	Batch / Lot no.	GP26-2198
Category	GLP-1	Strength	20mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	2250.0 m/z	[M+H] ⁺ theoretical	2250.4 m/z
[M+2H] ²⁺ observed	1125.7 m/z	Mass deviation	-0.4 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.7 % (area normalisation)	Content, % of label claim	98.7 %
Measured content	19.74 mg/vial (label claim 20mg)		

4. ANALYTICAL DATA

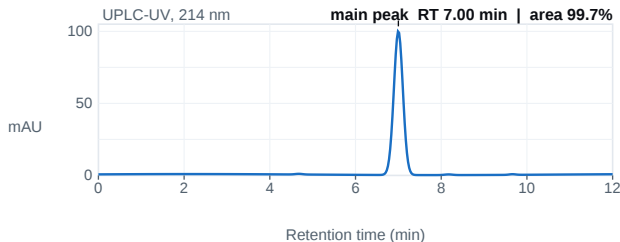


Fig. 1 — UPLC chromatogram; main peak 7.00 min, 99.7% area.

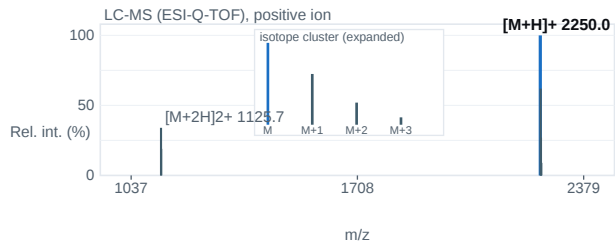


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 2250.0 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.7%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. L. Chen	Approved (QA)	Dr. N. Kowalski
Date of test	20 August 2026	Date of manufacture	31 July 2026
Expiry	31 July 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2198**

Verification key: **KL45-P9DA**

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