

Tirzepatide Pen

GLP-1 / GIP Receptor Agonist • 40mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Tirzepatide Pen	Batch / Lot no.	GP26-2234
Category	GLP-1 / GIP Receptor Agonist	Strength	40mg
Presentation	Pre-Filled Pen	Dosage form	Pre-Filled Pen (reconstituted)
Reconstitution solvent	0.9% Benzyl Alcohol Sterile Water	Lab report no.	PLX-202610-50234

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	968.7 m/z	[M+H] ⁺ theoretical	969.3 m/z
[M+2H] ²⁺ observed	485.2 m/z	Mass deviation	-0.6 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.3 % (area normalisation)	Content, % of label claim	100.6 %
Measured content	40.24 mg/pen (label claim 40mg)		

4. ANALYTICAL DATA

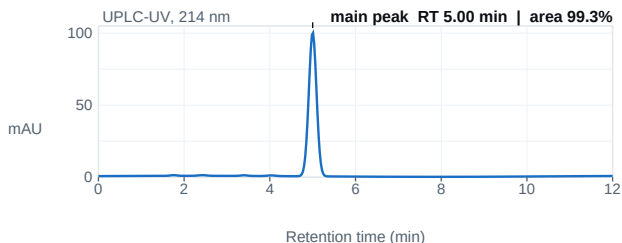


Fig. 1 — UPLC chromatogram; main peak 5.00 min, 99.3% area.

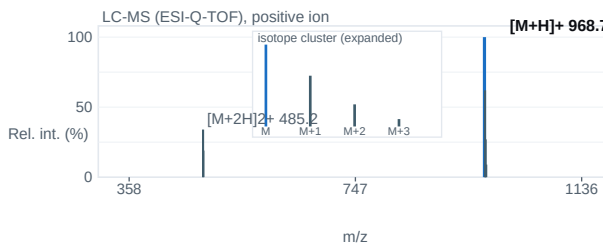


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 968.7 m/z.

RESULT

PASS — Identity conforms; chromatographic purity 99.3%

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. R. Okonkwo	Approved (QA)	Dr. P. Achebe
Date of test	10 October 2026	Date of manufacture	22 September 2026
Expiry	22 September 2027	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2234**

Verification key: **KW2Z-L7MG**

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