

Semaglutide

GLP-1 • 50mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Semaglutide	Batch / Lot no.	GP26-2180
Category	GLP-1	Strength	50mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	1172.0 m/z	[M+H] ⁺ theoretical	1171.8 m/z
[M+2H] ²⁺ observed	586.4 m/z	Mass deviation	+0.2 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.1 % (area normalisation)	Content, % of label claim	99.0 %
Measured content	49.5 mg/vial (label claim 50mg)		

4. ANALYTICAL DATA

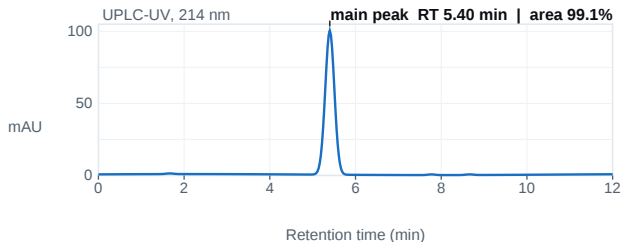


Fig. 1 — UPLC chromatogram; main peak 5.40 min, 99.1% area.

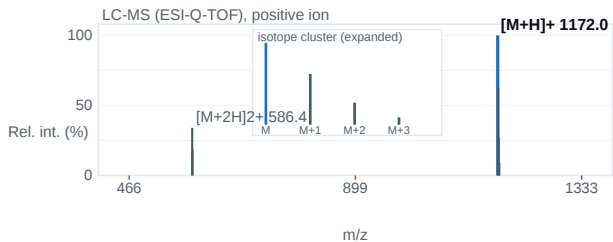


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 1172.0 m/z.

RESULT

PASS — Identity conforms; chromatographic purity 99.1%

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. R. Okonkwo	Approved (QA)	Dr. N. Kowalski
Date of test	26 August 2026	Date of manufacture	7 August 2026
Expiry	7 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2180**

Verification key: **HXWC-YVWH**

puralytix.com/report-verification

Enter the report ID and verification key on the page above, or scan the QR code, to confirm this certificate is genuine.



Scan to verify

Puralytix Analytical Laboratories provides independent analytical testing and informational reports only. This certificate relates solely to the sample identified above and to the test methods stated. Results are subject to the inherent limitations and detection thresholds of the methods used. Puralytix does not provide medical, dosing, sourcing, legal or consumption advice, and no result implies that any substance is safe, approved, lawful or suitable for human use. **For research use only.** Clients are responsible for complying with the laws of their own jurisdiction. This document may not be reproduced except in full.

Puralytix Analytical Laboratories — 71 Vazha-Pshavela Avenue, Block 2, Saburtalo District, 0186 Tbilisi, Georgia • PLX-202608-50180