

Semaglutide

GLP-1 • 20mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Semaglutide	Batch / Lot no.	GP26-2183
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	3212.5 m/z	[M+H] ⁺ theoretical	3212.4 m/z
[M+2H] ²⁺ observed	1606.7 m/z	Mass deviation	+0.1 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	HPLC	Method	RP-HPLC-UV, 214 nm
Chromatographic purity	99.7 % (area normalisation)	Content, % of label claim	100.4 %
Measured content	20.08 mg/vial (label claim 20mg)		

4. ANALYTICAL DATA

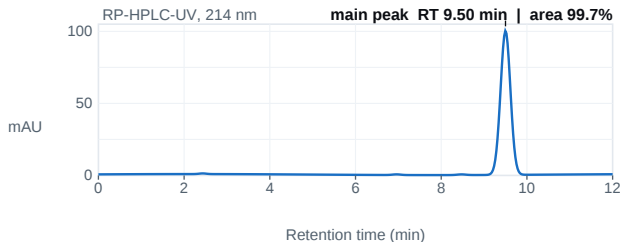


Fig. 1 — HPLC chromatogram; main peak 9.50 min, 99.7% area.

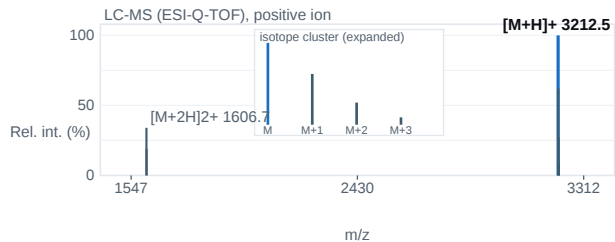


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3212.5 m/z.

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

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. S. Patel	Approved (QA)	Dr. N. Kowalski
Date of test	24 August 2026	Date of manufacture	4 August 2026
Expiry	4 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2183**

Verification key: **RB5R-R7DE**

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