

Semaglutide

GLP-1 • 40mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Semaglutide	Batch / Lot no.	GP26-2181
Category	GLP-1	Strength	40mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	3775.1 m/z	[M+H] ⁺ theoretical	3774.9 m/z
[M+2H] ²⁺ observed	1888.0 m/z	Mass deviation	+0.2 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	HPLC	Method	RP-HPLC-UV, 214 nm
Chromatographic purity	99.8 % (area normalisation)	Content, % of label claim	101.4 %
Measured content	40.56 mg/vial (label claim 40mg)		

4. ANALYTICAL DATA

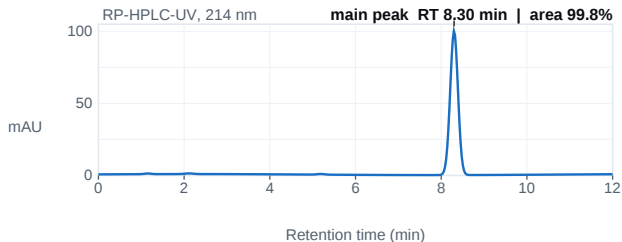


Fig. 1 — HPLC chromatogram; main peak 8.30 min, 99.8% area.

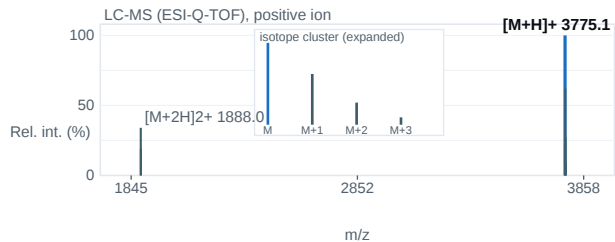


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3775.1 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.8%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. E. Vasquez	Approved (QA)	Dr. H. Bergström
Date of test	20 August 2026	Date of manufacture	3 August 2026
Expiry	3 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2181**

Verification key: **KSTW-ZF7A**

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