

Certificate of Analysis

REPORTED September 17, 2026

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SCAN TO VERIFY



PTC-NATCKNAN

Lab ID: SEM-013

END CUSTOMER

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§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID:	SEM-013	Received:	09/04/2026
Compound:	Semaglutide	Analyzed:	09/17/2026
Report No.:	COA-2026-SC-02593	CAS:	910463-68-2
Total Mass:	58.4 mg	Formula:	C₁₈₇H₂₉₁N₄₅O₅₉
Appearance:	Lyophilized powder	Mol Weight:	4111.6 g/mol

SAMPLE PHOTOGRAPH



§ 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)

	SPECIFICATION	RESULT	STATUS
Compound Test:	Semaglutide	Semaglutide	
Net Peptide Content:	10.00 mg	9.41 mg	
Peptide Fill Accuracy:	≥ 90 %	94.1 %	PASS
Chromatographic Purity:	≥ 98 %	99.7 %	

Peptide fill accuracy is the measured net peptide content expressed as a percentage of the declared label claim (measured ÷ label claim × 100).

Chromatographic purity is the target peptide's concentration as a percentage of the total peptide concentration measured — the target peptide against the other trace peptides detected in the same sample. It reflects peptide-related impurities only; it does not measure salts, excipients, or water, and is separate from net peptide content (the actual mg of peptide). — means not determined.

§ 03 HPLC-MS/MS Detail

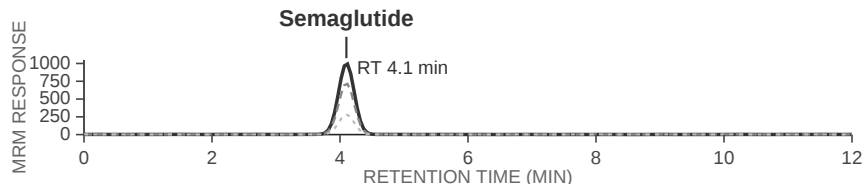
METHOD B · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

PRECURSOR [M+4H]⁴⁺

1029.40 Da

Quantifier transition ● MRM

1029.40 > 1302.60 CE 25 V



ROLE	TRANSITION	CE
● Quantifier	1029.4 > 1302.6	25 V
■ Qualifier	1029.4 > 136.1	32 V

Agilent Poroshell 120 EC-C18 · 2.1×100 mm · 2.7 μm · Solvent A: 0.1 % formic acid in H₂O · Solvent B: 0.1 % formic acid in Acetonitrile

DISCLAIMER · RESEARCH USE ONLY

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