

Certificate of Analysis



Samples Received: **4/24/2026**
Test Date: **5/1/2026**

Product: Semaglutide 2mg/vial
Molecular Wt: 4113.6 g/mol
LOT #: AR/101-24
TASK#: 260433

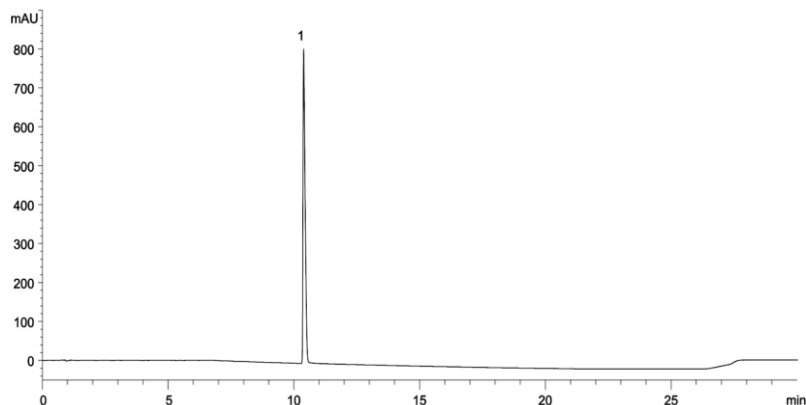
Customer: Advanced Research, LLC

Test Results

Item	Specifications	Value
Strength	2mg / vial	2.03 mg
Purity	≥98%	98.77%
Impurity	Single Impurity ≤1%	0.82%
	Total Impurities ≤2%	1.23%
Appearance	White powder	Pass
pH	6.0 - 8.0	6

Test Method

Pump 1	0.1% Trifluoroacetic in 100% H ₂ O
Pump 2	0.1% Trifluoroacetic in 100% Acetonitrile
Flow	1.0mL/min
Wavelength	222nm
Column	Acquity BEH C18 300 Å, 1.7 µm, 2.1x50mm
Dissolution	100% H ₂ O
Sample Volume	20uL



Quantification by UHPLC-UV-PDA-QDA

Measured Quantity: 2.03 mg/vial

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers. These are not normally detected using UV and are not considered impurities.

Analysis Performed by:

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5/1/2026

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