



Scan to verify

Semaglutide

Custom sample · Vial P1-D9 · Brett

Customer	Brett
Order	Custom sample
Sample	Vial P1-D9
Label	Semaglutide 10 mg
Lot	Batch 2152
Prepared	Dissolved in water + 0.1 % formic acid
Tested	23 Oct 2026
Tests	Identity, Purity



The sample as received

IDENTITY

Confirmed

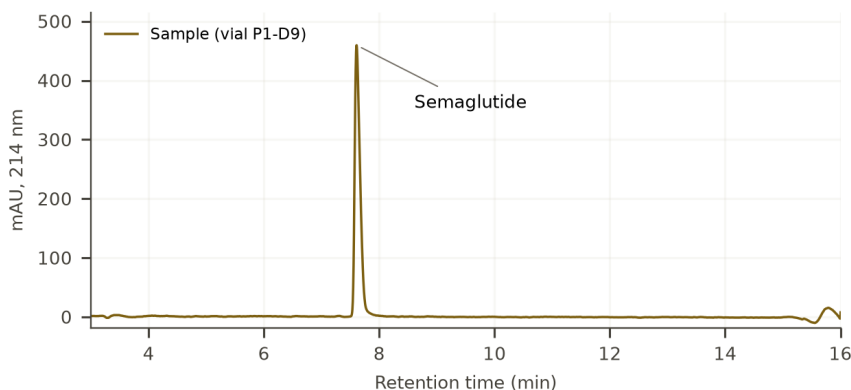
consistent with semaglutide

PURITY

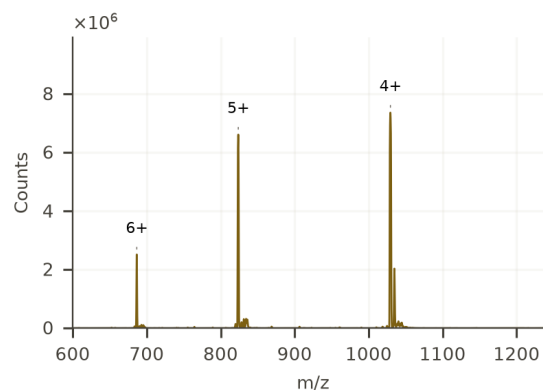
98.9 %

HPLC-UV, 214 nm

HPLC chromatogram (UV, 214 nm)



Mass spectrum of the main peak (7.61 min)



Results

Identity Consistent with semaglutide. Measured mass 4113.7 Da (expected 4113.6 Da), from its 4+, 5+, 6+ ions; main peak at 7.61 min.

Purity 98.9 % by HPLC with UV detection at 214 nm (share of the total peak area).

Impurities

Every peak other than semaglutide that was found in the sample:

Peak (min)	Amount	What it is
4.31	0.20 %	An unidentified substance that is not a form of semaglutide (its mass does not match).
5.85	0.14 %	An unidentified substance that is not a form of semaglutide (its mass does not match).
6.57	0.16 %	Oxidized semaglutide: semaglutide with one extra oxygen atom (mass +16). It forms when the peptide is exposed to air.
6.97	0.15 %	Semaglutide with two extra oxygen atoms (mass +32): a further-oxidized form.
7.31	0.15 %	A closely related form of semaglutide with the same mass (an isomer); its exact structure is unknown.
8.84	0.14 %	A closely related form of semaglutide with the same mass (an isomer); its exact structure is unknown.
13.59	0.11 %	A closely related form of semaglutide with the same mass (an isomer); its exact structure is unknown.

Trace peaks below 0.10 % add up to 0.10 %. Amounts are each peak's share of the total UV peak area at 214 nm.

APPROVED FOR RELEASE

Ian Ebert, Laboratory Director

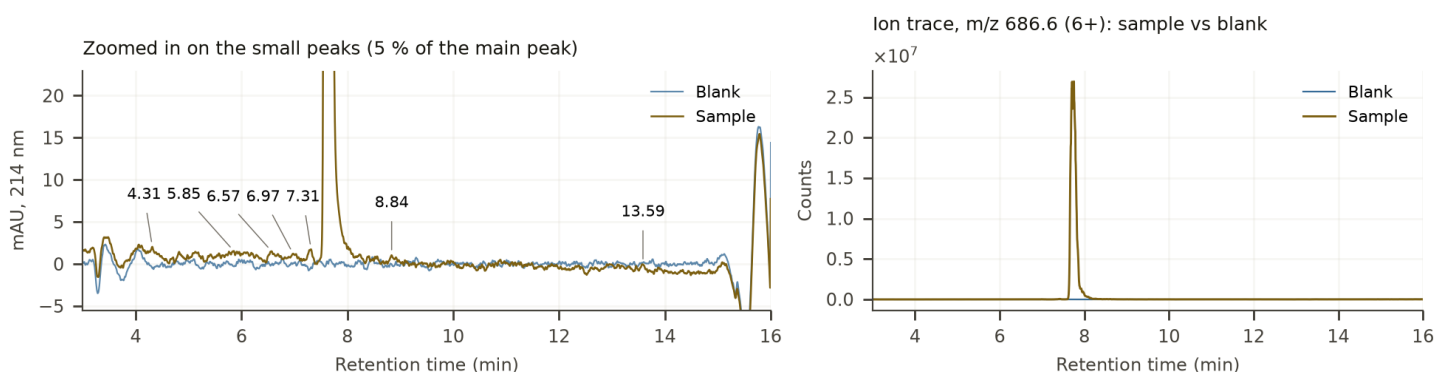
Signed electronically

26 Oct 2026, 17:43 UTC

Release record: last page



Zoomed views



How it was tested

Liquid chromatography with UV and mass-spectrometry detection: Agilent 1290 Infinity II LC with a 6490 triple-quadrupole mass spectrometer. Column Polaris C18-A, 2.0 x 150 mm, 55 °C; water and acetonitrile, each with 0.1 % formic acid. Purity: UV peak area at 214 nm, not counting peaks that come from the instrument rather than the sample. Identity: molecular mass from the charge states in the mass spectrum.

Notes

Results apply only to the sample as received and tested. Purity is a share of the UV peak area, not a weight percentage. Identity is by molecular mass; the amino-acid sequence was not checked.

APPROVED FOR RELEASE

Signed electronically by a Gold Standard Analytics lab technician at release.

The signature, date and verification code are on the release record, the last page of this certificate.

Customer and order	Brett · Custom sample (no order)
Sample and report	P1-D9 · Semaglutide Certificate of Analysis
Report reference	GSA-COA-CUST-BRETT-SEMA-20261026
Certificate accession	GSA-2026-916902
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-10-26 17:43:43Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	5c1f1ffd-55c3-4ba0-a3ad-1f5c967e1322
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	4c6ecc3d6ea931a040999767fe54924a330fd1a60089de599211d2bafcc39295
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-916902



Scan to view this certificate online

Signature

A handwritten signature in black ink, appearing to read 'Ian Ebert', written in a cursive style.

Ian Ebert, Laboratory Director