Gold Standard Analytics

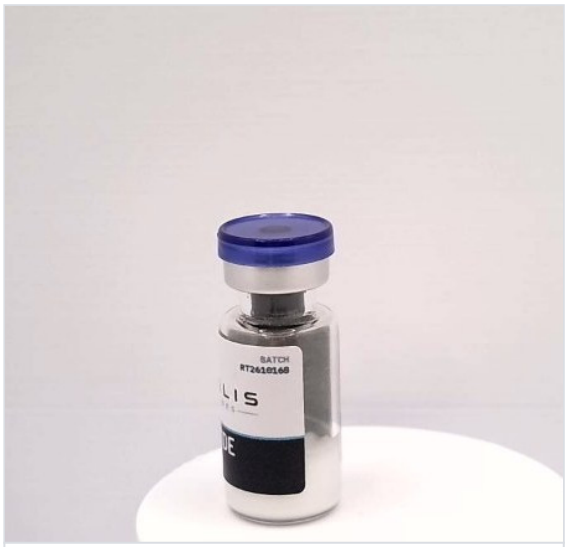
Gold Standard Analytics LLC, Houston, TX

CERTIFICATE OF ANALYSIS

Report GSA-COA-000092-09208-20261116 · issued Nov 17, 2026

Vitalis Peptides

PRODUCT	ORDER	SAMPLE
Retatrutide	GSA-2026-000092	092-08
LABEL	**LOT**	**ISSUED**
Vitalis Peptides, batch RT261016B	RT261016B	Nov 17, 2026



THE SAMPLE AS RECEIVED

IDENTITY

Retatrutide

confirmed by mass and retention time

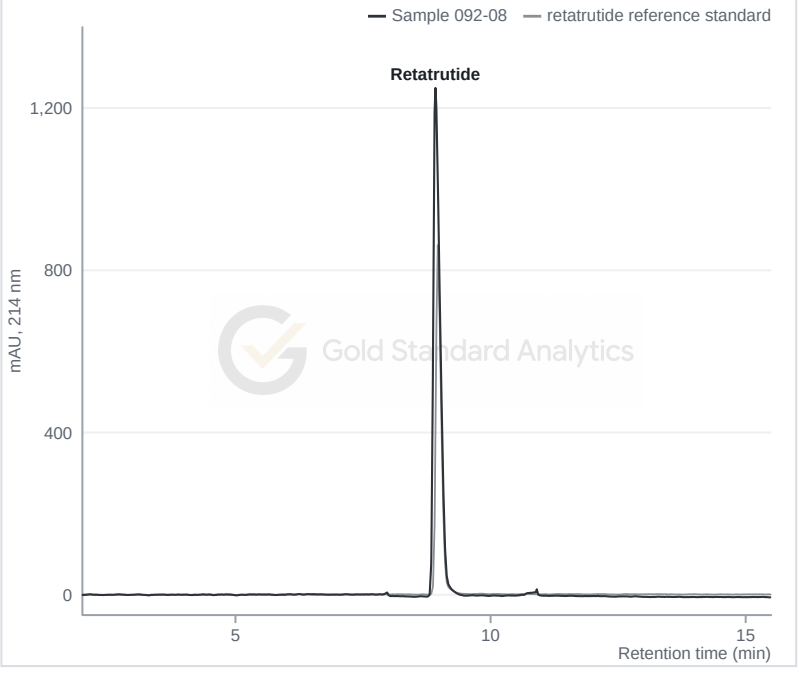
PURITY

98.7 %

HPLC-UV, 214 nm

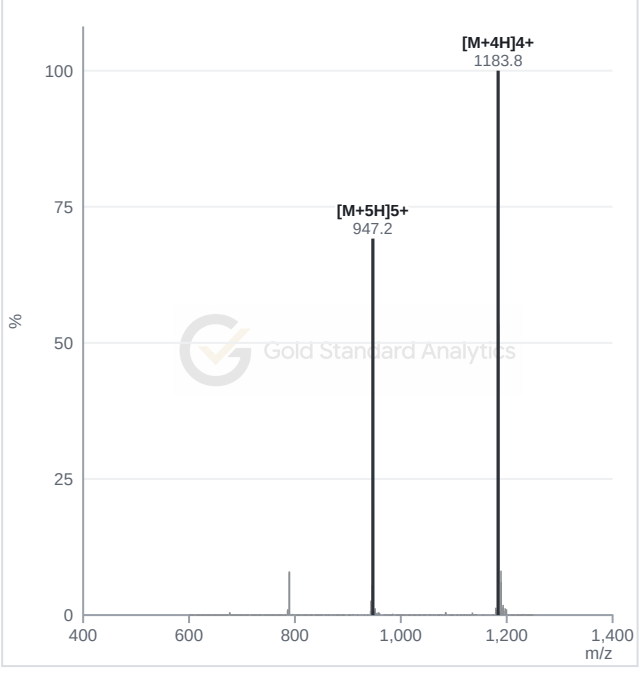
HPLC CHROMATOGRAM

UV, 214 nm



MASS SPECTRUM

at the retatrutide peak (8.92 min)



RELEASED BY

Ian Ebert

Laboratory Director · Nov 17, 2026

Scan to verify

goldstandardanalytics.com/coa/

Results are not covered by ISO/IEC 17025 accreditation. Results relate only to the sample as received and tested.

The sample

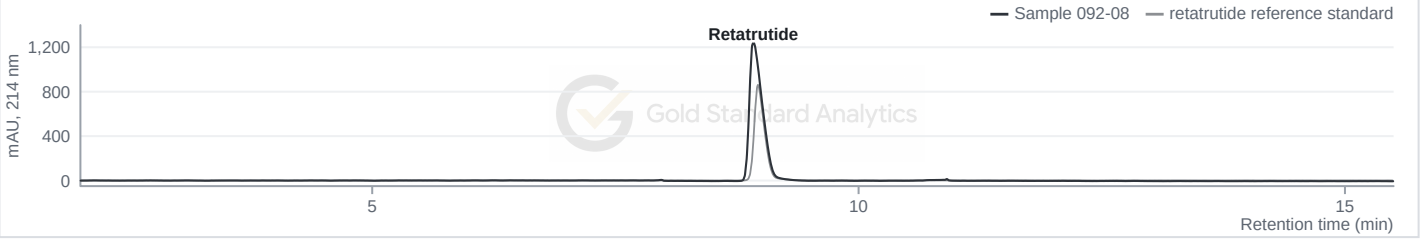
Order GSA-2026-000092 · Sample 092-08 · Vitalis Peptides

Customer	**Vitalis Peptides**	Lot	**RT261016B**
Order	**GSA-2026-000092**	Prepared	**16 Nov 2026**
Sample	**092-08**	Tested	**16 Nov 2026**
Label	**Vitalis Peptides, batch RT261016B**	Tests	**Identity, Purity**

Graphs

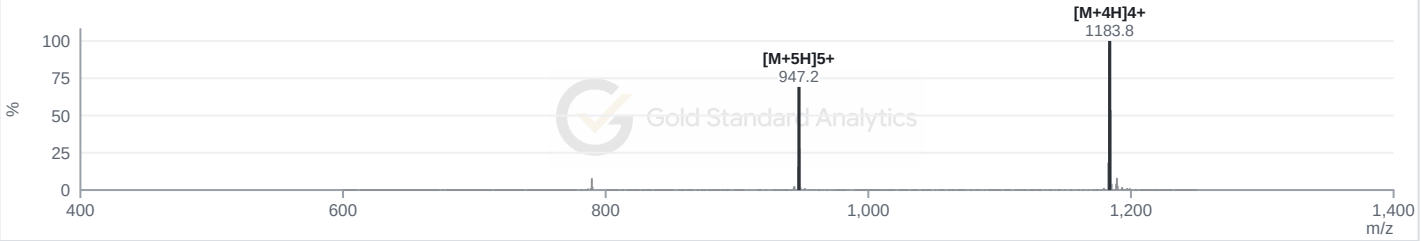
HPLC CHROMATOGRAM

HPLC chromatogram (UV, 214 nm) · mAU, 214 nm against Retention time (min)



MASS SPECTRUM

Mass spectrum at the retatrutide peak (8.92 min) · Counts against m/z



Results

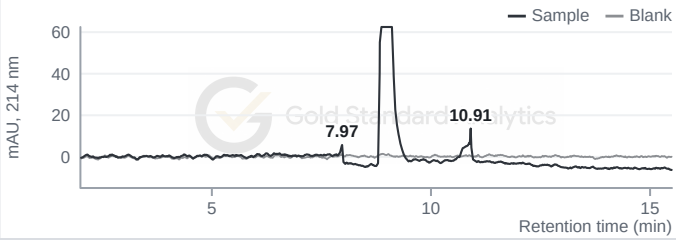
Identity **Consistent with retatrutide.** The main peak at 8.92 min carries retatrutide's 4+ and 5+ ions (m/z 1183.8 and 947.2; molecular mass 4,731.1, expected 4,731.3) and elutes within 0.5 % of a retatrutide reference standard run in the same sequence (8.97 min).

Purity **98.7 %** by HPLC with UV detection at 214 nm (share of the total peak area). 2 impurities were found above the reporting limit (about 0.2 % of the retatrutide peak height); they are listed below.

Zoomed views

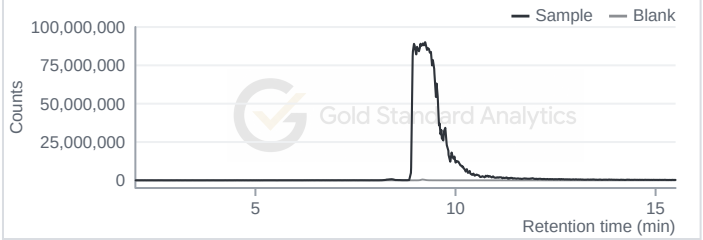
HPLC, SMALL PEAKS

Zoomed in on the small peaks (5 % of the main peak) · mAU, 214 nm against Retention time (min)



ION TRACE

Ion trace, m/z 1183.8 (retatrutide 4+): sample vs blank · Counts against Retention time (min)



Impurities

Every peak other than retatrutide that was found above the reporting limit:

PEAK (MIN)	AMOUNT	WHAT IT IS
7.97	0.16 %	A small unidentified peak; its mass spectrum does not match a form of retatrutide.
10.91	1.2 %	A peptide of mass about 3,711, smaller than retatrutide (4,731); its exact structure is unknown.

Amounts are each peak's share of the total UV peak area at 214 nm.

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. Identity: molecular mass from the multiply charged ions in the mass spectrum, and retention time against a retatrutide reference standard run in the same sequence. Purity: UV peak area at 214 nm, after subtracting a blank run in the same sequence. 2 µL injected; autosampler at 12 °C.

Notes

Results apply only to the sample as received and tested.

Release

This report is signed electronically at release. The signature is printed on page 1, and the release record, added as the last page, gives the date and the verification code.

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Release record

Report GSA-COA-000092-09208-20261116 · Certificate GSA-2026-679604

Customer and order	Vitalis Peptides · GSA-2026-000092
Sample and report	092-08 · Retatrutide Certificate of Analysis
Report reference	GSA-COA-000092-09208-20261116
Certificate accession	GSA-2026-679604
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-11-17 19:36:08Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	645b8ef4-9777-47a3-adb9-123f2ca06ae5
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	696f7299f00706748cd516b6aecee8caf580ea1ea1274ab8638452ba2d23246d
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-679604

Scan to view this certificate online

Signature

Ian Ebert, Laboratory Director