Gold Standard Analytics

Gold Standard Analytics LLC, Houston, TX

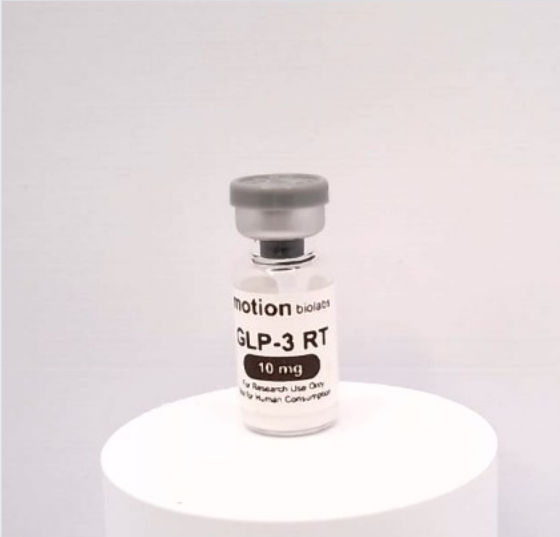
CERTIFICATE OF ANALYSIS

Order GSA-2026-000090 · issued Nov 25, 2026

Motion Biolabs

PRODUCT	ORDER	SAMPLE
Retatrutide	GSA-2026-000090	GSA-2026-000090-01-1

LOT	ISSUED
MB-3RT	Nov 25, 2026



THE SAMPLE AS RECEIVED

IDENTITY ✓

Retatrutide

retention time and spectrum match

PURITY ✓

99.4 %

HPLC-UV, 214 nm

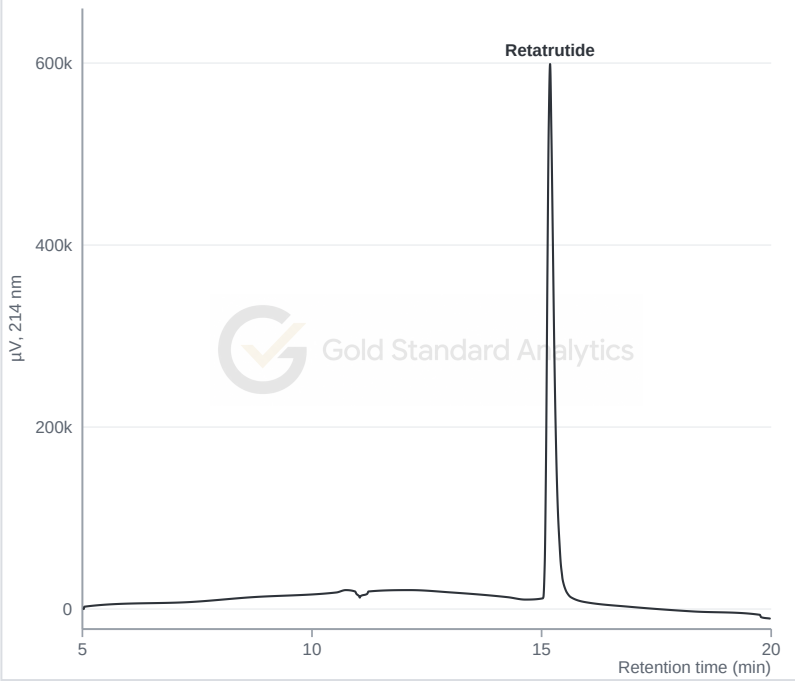
NET CONTENT

12.36 mg

per vial, 123.6 % of the declared 10 mg

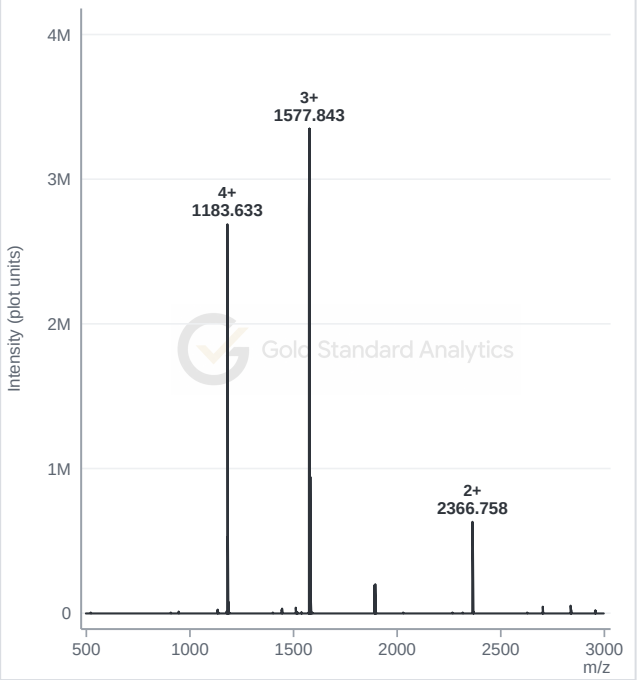
HPLC CHROMATOGRAM

UV, 214 nm



MASS SPECTRUM

Peak at 6.95 min



APPROVED FOR RELEASE

Ian Ebert, Chemist & Lab Lead

Signed electronically
27 Nov 2026, 08:12 UTC
Release record: last page

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

The sample

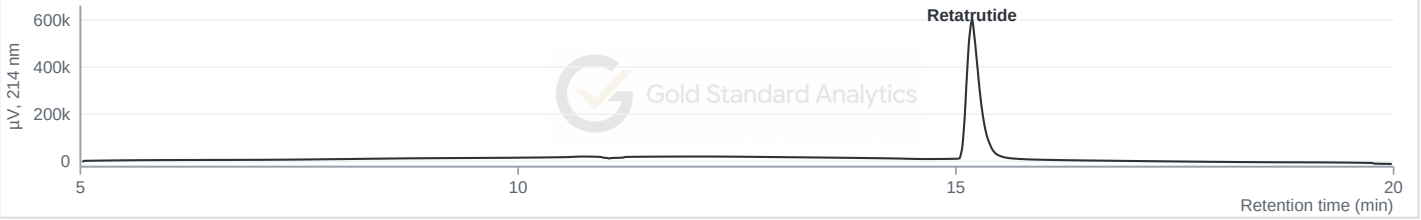
Order GSA-2026-000090 · Sample GSA-2026-000090-01-1 · Motion Biolabs

Customer	**Motion Biolabs**	Lot	**MB-3RT**
Order	**GSA-2026-000090**	Prepared	**24 Nov 2026**
Sample	**GSA-2026-000090-01-1**	Tested	**24 Nov 2026**
Label	**GLP-3 RT · 10 mg**	Tests	**Identity, Purity, Net content**

Graphs

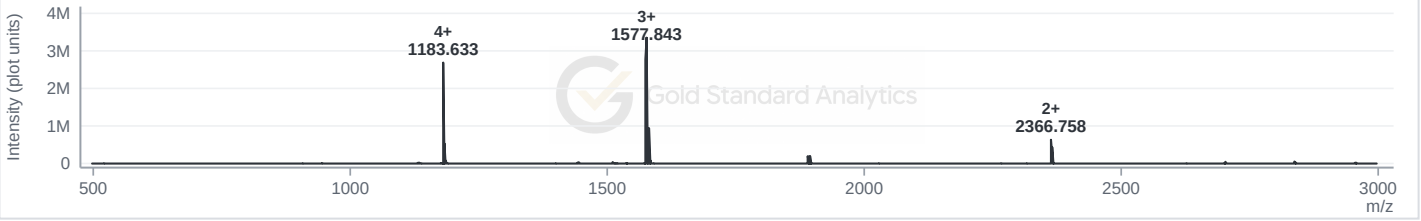
HPLC CHROMATOGRAM

214 nm · integrated peak at 15.183 min



MASS SPECTRUM

Scans 396–410 across the 6.95 min peak



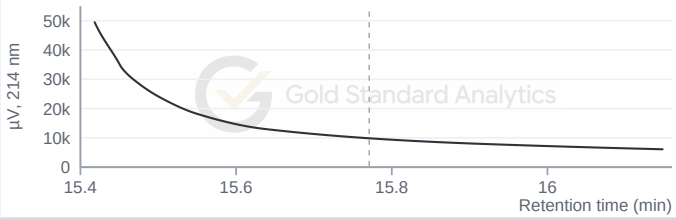
Results

Identity	**Retatrutide.** The retention-time match score was 1.00 and the spectrum match score was 1.
Purity	**99.4%.** UV peak area at 214 nm. The retatrutide peak at 15.183 min accounted for 99.373% of the area. An unidentified peak at 15.771 min accounted for 0.627%.
Net content	**12.36 mg per vial.** 123.6% of the declared 10 mg, by external standard at 280 nm.

Zoomed views

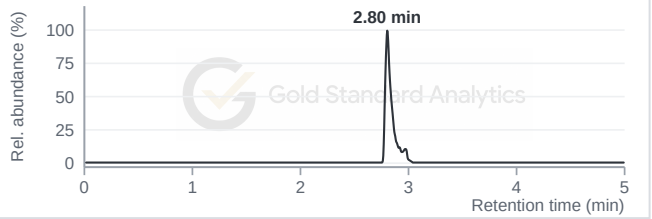
HPLC, SMALL PEAKS

214 nm · minor-peak window
Dashed line marks 15.771 min. Peak shape unresolved.



ION TRACE

Vial C · m/z 1194.61–1194.63



How it was tested

The vial contents were dissolved in 2 mL of water. A 1 mL aliquot was used for HPLC. Identity was assessed by retention time and spectrum matching. Purity was calculated from integrated peak areas at 214 nm.
Net content was measured at 280 nm using five external standards and an unweighted linear fit with a fitted intercept.
The UV curves are smoothed within half a pixel of the digitized trace. Reported results use the original integration. The mass spectrum and extracted-ion trace each come from a different comparison vial.

Notes

The requester identified the primary assay in the supplied record as sample GSA-2026-000090-01-1, lot MB-3RT.

Release

Released November 25, 2026.

Gold Standard Analytics

goldstandardanalytics.com

Release record

Report GSA-COA-000090-09001-UPL-427b717fedec · Certificate GSA-2026-598489

Customer and order	Austin Bryant · GSA-2026-000090
Sample and report	090-01 · Certificate of Analysis
Report reference	GSA-COA-000090-09001-UPL-427b717fedec
Certificate accession	GSA-2026-598489
Released and signed by	Ian Ebert, Chemist & Lab Lead
Date and time (UTC)	2026-11-27 08:12:46Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	c90fe739-62cf-437d-ab1f-6d9e83de0ef4
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	88e665c59992de17cef1e6e0eba2ee32ad5fc4db066ea7c0cc4b10c8c1a47662
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-598489

Scan to view this certificate online

Signature

Ian Ebert, Chemist & Lab Lead