Gold Standard Analytics

Gold Standard Analytics LLC, Houston, TX

CERTIFICATE OF ANALYSIS

Report GSA-COA-000092-09204-20261117 · issued Nov 17, 2026

Vitalis Peptides

PRODUCT	ORDER	SAMPLE
Ipamorelin	GSA-2026-000092	092-04
LABEL	**LOT**	**ISSUED**
Vitalis Peptides, batch IP261016B	IP261016B	Nov 17, 2026



THE SAMPLE AS RECEIVED

IDENTITY

Ipamorelin

confirmed by mass

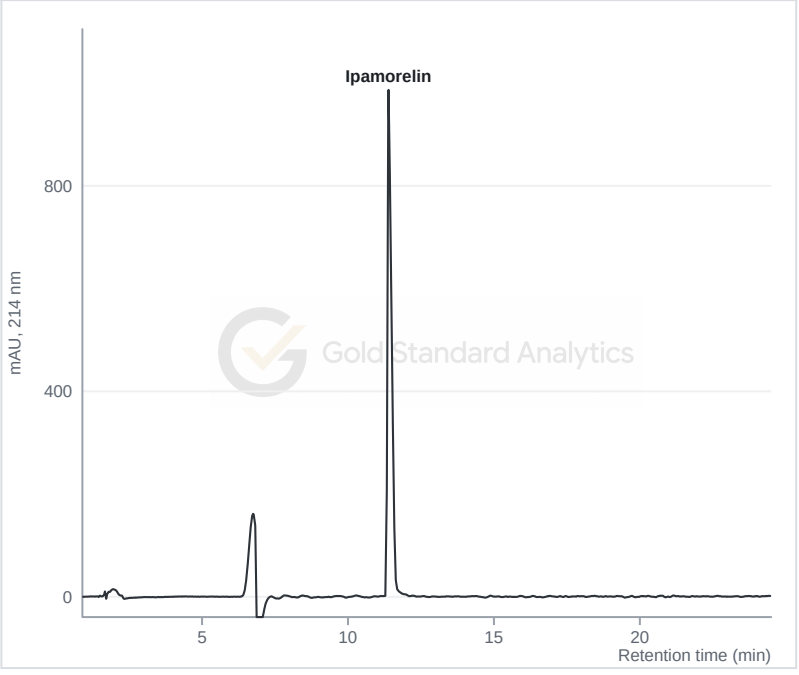
PURITY

100 %

HPLC-UV, 214 nm

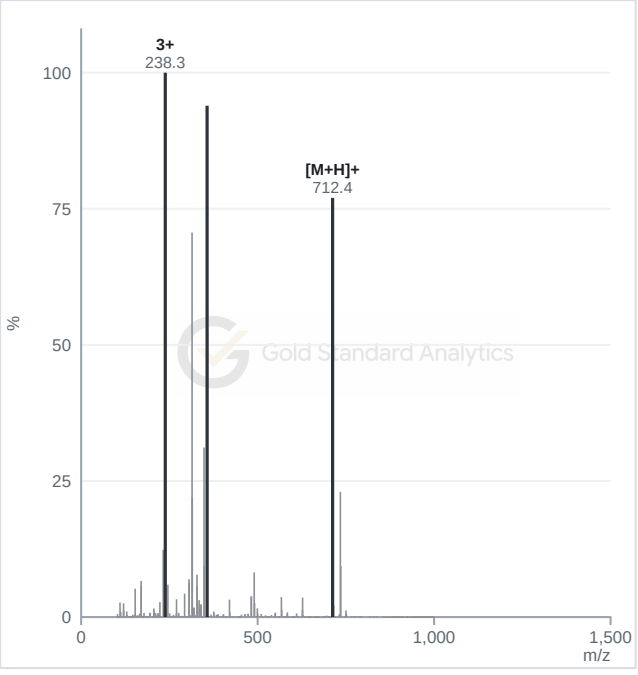
HPLC CHROMATOGRAM

UV, 214 nm



MASS SPECTRUM

main peak (11.39 min)



RELEASED BY

Ian Ebert

Laboratory Director · Nov 19, 2026

Scan to verify

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

The sample

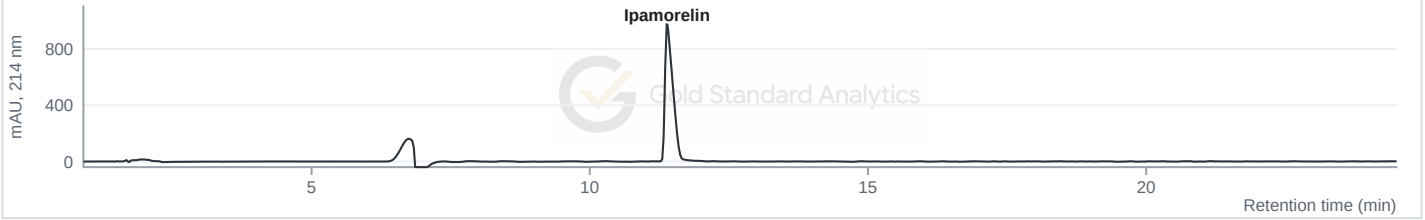
Order GSA-2026-000092 · Sample 092-04 · Vitalis Peptides

Customer	**Vitalis Peptides**	Lot	**IP261016B**
Order	**GSA-2026-000092**	Prepared	**16 Nov 2026**
Sample	**092-04**	Tested	**17 Nov 2026**
Label	**Vitalis Peptides, batch IP261016B**	Tests	**Identity, Purity**

Graphs

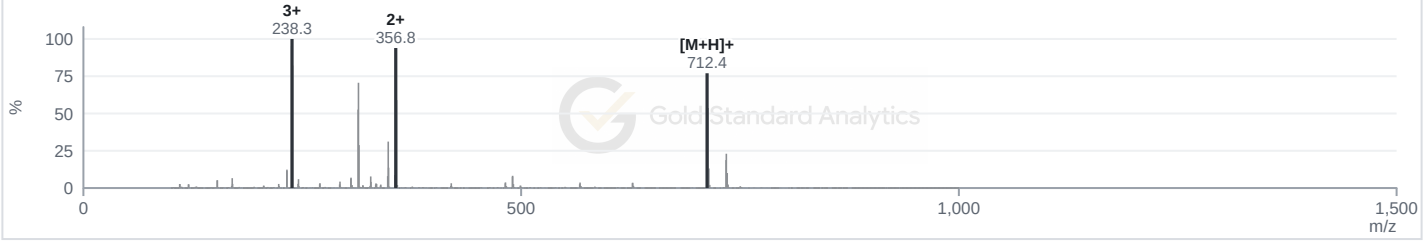
HPLC CHROMATOGRAM

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



MASS SPECTRUM

Mass spectrum of the main peak (11.39 min) · Counts against m/z



Results

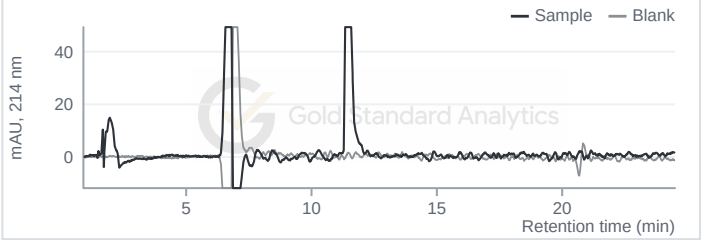
Identity **Consistent with Ipamorelin.** The main peak is Ipamorelin at 11.39 min (m/z 712.4 and m/z 356.8; measured mass 711.6, expected 711.9).

Purity **100 %** of the UV peak area at 214 nm is the declared peptide: no other peak was found above the reporting limit (about 0.9 % of the Ipamorelin peak height), and no form of the peptide was found by mass above about 0.5 % of it. The vial also contains a sugar alcohol such as mannitol (a common vial filler), seen by mass at the start of the run; it is not a peptide and is not counted in purity. The small peaks at about 1.7 to 2.0 min appear in every injection on this instrument, blank solvent included, and are not counted. The large peak at about 6.7 min comes from the instrument, not the sample: the same peak appears when only blank solvent is injected.

Zoomed views

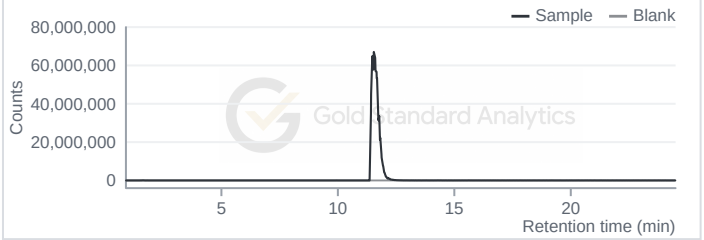
HPLC, SMALL PEAKS

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



ION TRACE

Ion trace, m/z 712.4 (Ipamorelin [M+H]+): sample vs blank · Counts against Retention time (min)



Impurities

Every UV peak above the reporting limit was the declared peptide.

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, 45 °C; water and acetonitrile, each with 0.1 % formic acid. Purity: UV peak area at 214 nm, after subtracting a blank run in the same sequence. Identity: molecular mass from the mass spectrum. 0.5 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-000092-09204-20261117 · Certificate GSA-2026-469820

Customer and order	Vitalis Peptides · GSA-2026-000092
Sample and report	092-04 · Ipamorelin Certificate of Analysis
Report reference	GSA-COA-000092-09204-20261117
Certificate accession	GSA-2026-469820
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-11-19 00:45:52Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	5e30ad92-5174-448f-b18e-a0ef6fb9734d
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	a4be14a2d12c6b3ac715061b92ebf24609848effa758b372abb54fb67a2aa49b
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-469820

Scan to view this certificate online

Signature

Ian Ebert, Laboratory Director

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