Gold Standard Analytics

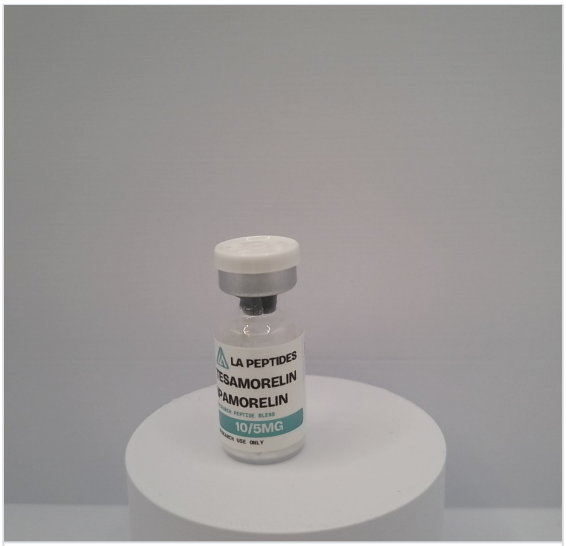
Gold Standard Analytics LLC, Houston, TX

CERTIFICATE OF ANALYSIS

Report GSA-COA-CUST-LA-2218TESAIPA-20261109-5 · issued Nov 18, 2026

LA Peptides

PRODUCT	ORDER	SAMPLE
Tesamorelin / Ipamorelin blend	GSA-2026-000080	LA2218-TESAIPA
LABEL	**LOT**	**ISSUED**
Tesamorelin / Ipamorelin blend	2218	Nov 18, 2026



THE SAMPLE AS RECEIVED

IDENTITY ✓

Tesamorelin, Ipamorelin

both declared peptides found

PURITY ✓

100 %

HPLC-UV, 214 nm, 2 injections

ENDOTOXINS ✓

< 0.050 EU/mL

Pass; spike recovery 121 %

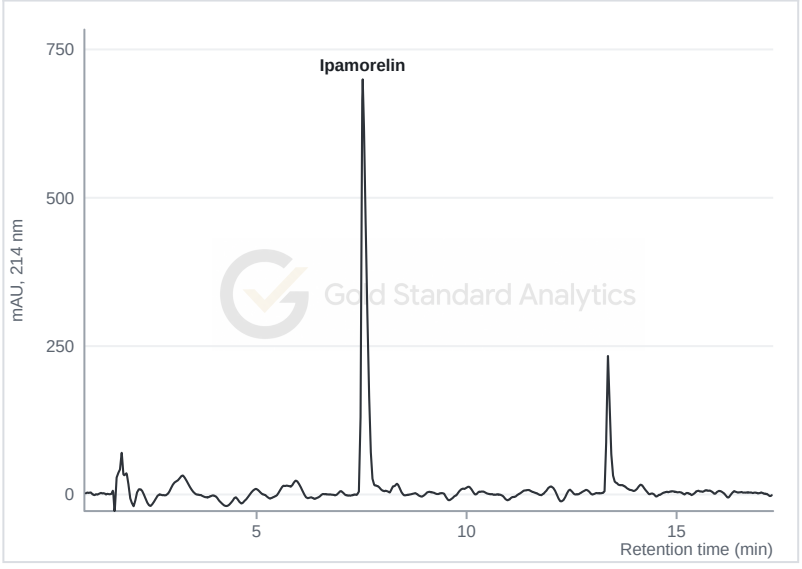
STERILITY ✓

No growth

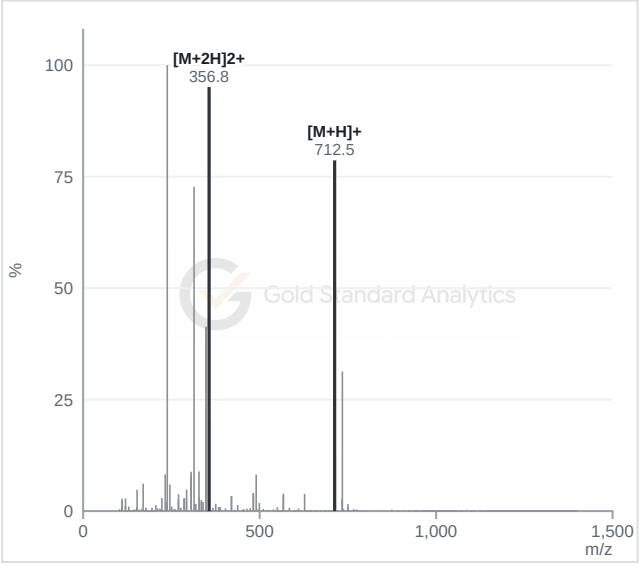
Pass; both canisters, 14 days

✓ **Heavy metals** USP <232>, ICP-MS: Pb, Cd, Hg, As, Co, V, Ni — **Pass**

HPLC CHROMATOGRAM UV, 214 nm



MASS SPECTRUM main peak (7.53 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

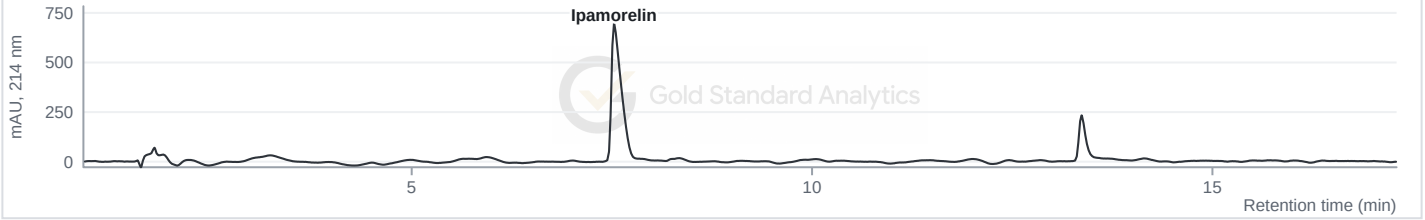
Lot 2218 · LA Peptides

Customer	**LA Peptides**	Lot	**2218**
Order	**GSA-2026-000080**	Prepared	**Vial contents dissolved in 2 mL water with 0.1 % formic acid, then diluted 1 in 10, 6 Nov 2026**
Sample	**LA2218-TESAIPA**	Tested	**09 Nov 2026**
Label	**Tesamorelin / Ipamorelin blend**	Tests	**Identity, Purity, Impurity breakdown, Bacterial endotoxins, Sterility, Elemental impurities**

Graphs

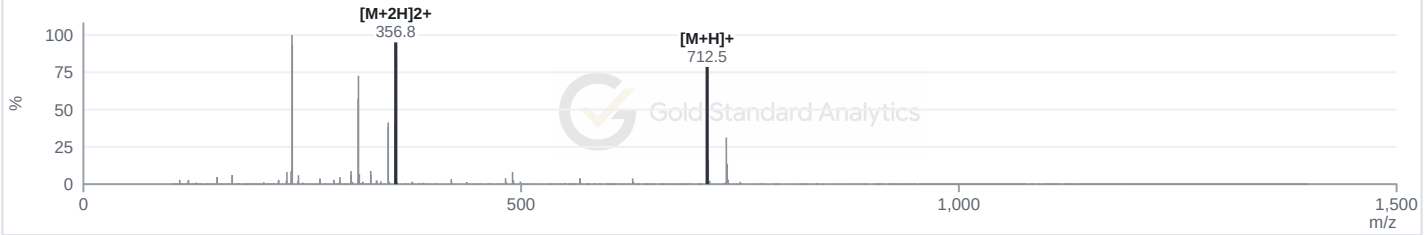
HPLC CHROMATOGRAM

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



MASS SPECTRUM

Mass spectrum of the main peak (7.53 min) · Counts against m/z



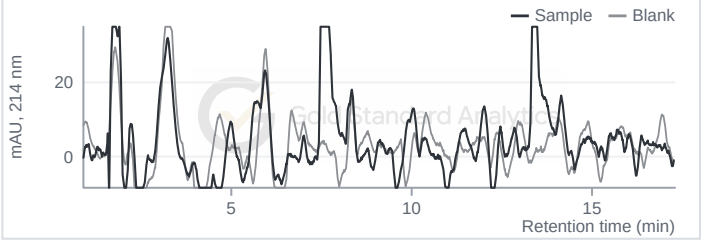
Results

Identity	**Both declared peptides found** by their molecular mass: ipamorelin at 7.56 min (m/z 712.5 [M+H]+ and 356.8 [M+2H]2+; mass 711.5, expected 711.9) and tesamorelin at 13.36 min (m/z 1028.2, m/z 857.0, m/z 734.7; mass 5,135.9, expected 5,135.9).
Purity	**100 %** of the UV peak area at 214 nm is the two declared peptides, in both of two injections of the same solution: no other peak was found in both injections above the reporting limit. Here that limit is high: about 3.4 % of the ipamorelin peak's height and about 11 % of the tesamorelin peak's height, so impurities below those levels would not be seen. The vial also contains a sugar alcohol such as mannitol (a common vial filler), seen by mass near the start of the run; it is not a peptide and is not counted.
Composition	Share of the declared-peptide UV area at 214 nm: ipamorelin 80 %, tesamorelin 20 %. These are shares of UV signal, not of weight: the two peptides absorb UV light differently.
Bacterial endotoxins	**< 0.050 EU/mL; spike recovery 121%** . Pass.
Sterility	**No growth in either canister after 14 days** . Pass.
Elemental impurities (USP <232>)	**Pb < 0.5 µg/g; Cd < 0.2 µg/g; Hg < 0.3 µg/g; As < 1.5 µg/g; Co < 0.5 µg/g; V < 1 µg/g; Ni < 2 µg/g (Agilent ICP-MS)** . Pass.

Zoomed views

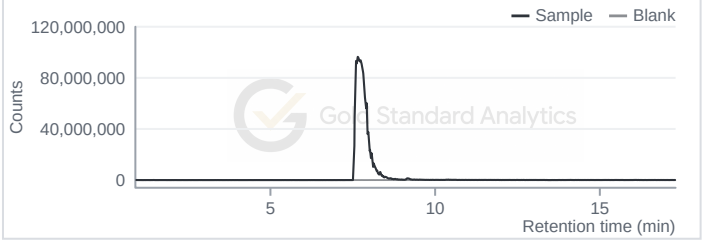
HPLC, SMALL PEAKS

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



ION TRACE

Ion trace, m/z 356.7 (Ipamorelin [M+2H]2+): sample vs blank · Counts against Retention time (min)



Impurities

Every UV peak above the reporting limit, in both injections, was one of the declared peptides.

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 of the same sequence. Identity: molecular mass from the mass spectrum. Bacterial endotoxins: endotoxin reader, 0.050 EU/mL limit; result reported as printed by the reader, with spike recovery. Sterility: membrane filtration (canisters), 14-day incubation. Elemental impurities (USP <232>): Agilent ICP-MS; Pb, Cd, Hg, As, Co, V, Ni.

Notes

Results apply only to the sample as received and tested. The test solution was injected about 3 days after it was prepared (kept in the cooled autosampler); peptides can change slowly in solution, so a freshly prepared solution may read slightly higher.

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.

Gold Standard Analytics

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Release record

Report GSA-COA-CUST-LA-2218TESAIPA-20261109-5 · Certificate GSA-2026-315247

Customer and order	LA Peptides · Custom sample (no order)
Sample and report	LA2218-TESAIPA · Tesamorelin / Ipamorelin blend Certificate of Analysis
Report reference	GSA-COA-CUST-LA-2218TESAIPA-20261109-5
Certificate accession	GSA-2026-315247
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-11-19 20:37:19Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	bef71049-8c58-4edc-a751-35ac41d2d9c1
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	0a413edb408a9dd7b492f9a771acef8252477b4c953e0d244faad3c3ba6c4d37
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-315247

Scan to view this certificate online

Signature

Ian Ebert, Laboratory Director

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