LA Peptides

PRODUCT
Semax spray

ORDER
GSA-2026-000080

SAMPLE
LA-SEMAXSPRAY-20261127

LABEL
10 mg per bottle

UPLOAD DATE
Nov 27, 2026

BATCH
2618



SAMPLE PHOTO

IDENTITY
Semax
Pass · Identity confirmed

PURITY
99.42%
Lot 2618 · Pass
HPLC-UV, 214 nm · 2 injections

HEAVY METALS
Pass
USP <232>, ICP-MS: Pb, Cd, Hg, As, Co, V, Ni

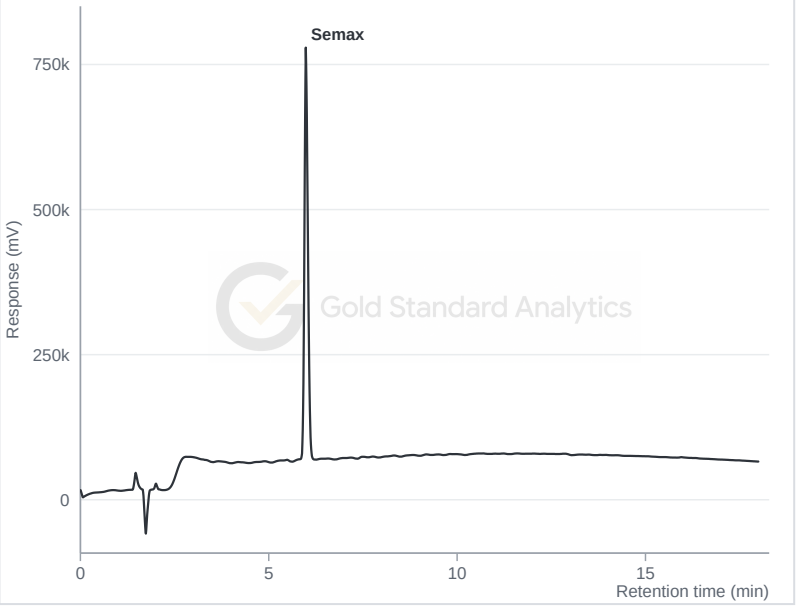
NET CONTENT
9.88 mg
Per bottle
98.8% of label claim

Endotoxins Spike recovery 89% — **Pass**

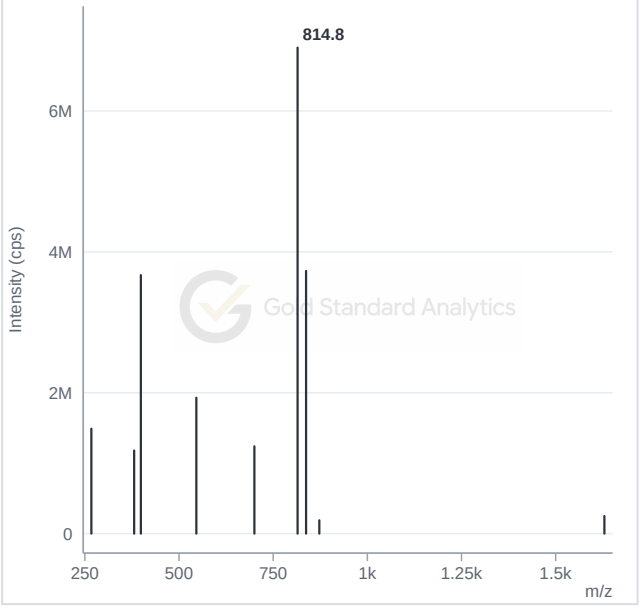
Fentanyl screen Lot 2618 — **Pass**

Reference plots

HPLC CHROMATOGRAM — S3 · 10 mg spray · 214 nm



MASS SPECTRUM — S4 · 10 mg spray · 1.452–1.549 min



APPROVED FOR RELEASE

Ian Ebert, Laboratory Director

Signed electronically
27 Nov 2026, 21:17 UTC
Release record: last page

Results are not covered by ISO/IEC 17025 accreditation.

The sample

Semax spray · Lot 2618

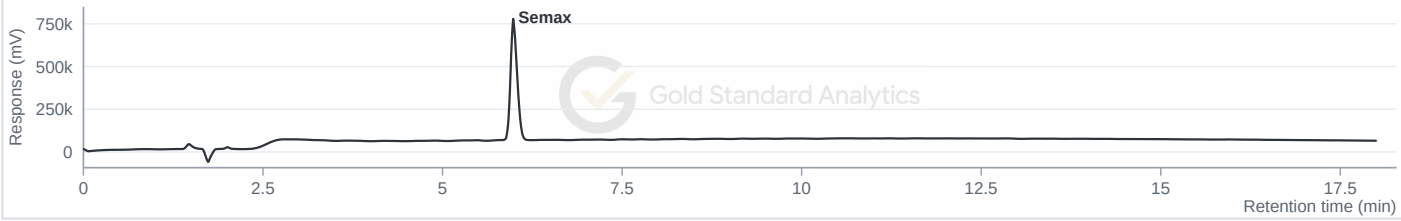
Customer	**LA Peptides**	Prepared	**Nov 25, 2026**
Order	**GSA-2026-000080**		
Sample	**LA-SEMAXSPRAY-20261127**	Tested	**Nov 25, 2026**
Label	**Semax spray · 10 mg per bottle**	Tests	**Identity, purity, net active content, fentanyl screen, bacterial endotoxins, elemental impurities**

Graphs

Reference plots

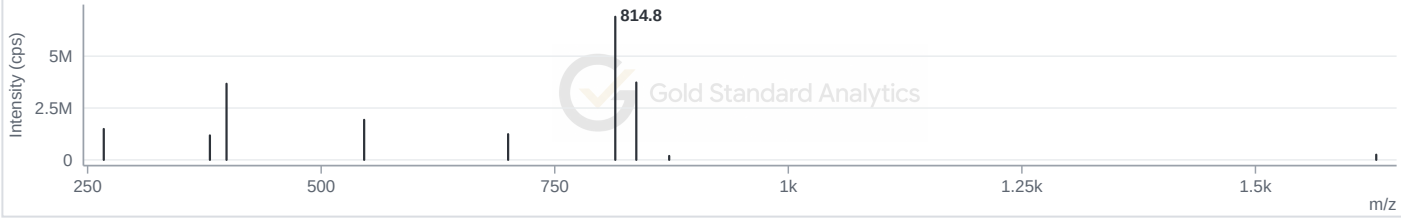
HPLC CHROMATOGRAM

S3 · 10 mg spray · 214 nm



MASS SPECTRUM

S4 · 10 mg spray · 1.452–1.549 min



Results

Lot 2618 results · Record IDs identify reference values

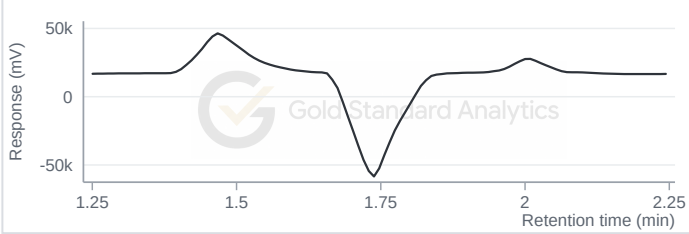
Identity	**Pass.** Identity confirmed for Semax. Lot 2618.
Purity	**Pass.** Lot 2618. 99.42%. HPLC-UV, 214 nm · 2 injections
Net active content	**Pass.** Semax 9.88 mg per bottle 98.8% of label claim
Fentanyl screen	**Pass.** Lot 2618.
Bacterial endotoxins	**Pass.** Lot 2618. Spike recovery 89%. S1 · 0.038 EU/mL by USP <85> kinetic chromogenic assay. Certificate reports ≤0.05 EU/mL.
Elemental impurities	**Pass.** Lot 2618. USP <232>, ICP-MS: Pb, Cd, Hg, As, Co, V, Ni. S1 · 10 mg/15 mL spray. As, Cd, Pb, Hg and Cr were undetected. Acceptance limits in that order were 1.5, 0.5, 1.0, 1.5 and 10 ppm. LOD and LOQ unreported.

Zoomed views

Reference plots

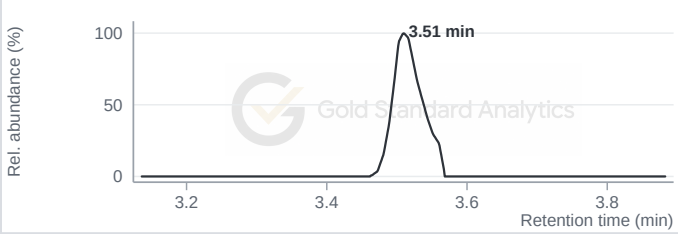
HPLC, SMALL PEAKS

S3 · 10 mg spray · 214 nm



ION TRACE

S6 · Semax · 10 mg powder vial



Impurities

Individual impurity peaks

PEAK (MIN)	AMOUNT	WHAT IT IS
—	—	S3 · Semax peak at 5.99 min. S4 · Mass scan at 1.452–1.549 min in the S4 injection.

> No batch 2618 impurity peak table was supplied.

How it was tested

S3 · 10 mg spray, chromatogram, identity, purity and content. S1 · 10 mg/15 mL spray, endotoxin and metals.

S4 · 10 mg spray mass spectrum. S6 · Lyophilized Semax vial, extracted-ion trace.

Notes

The attached data tables list the reference materials for each record ID.

Release

Release date Nov 27, 2026. Unsigned copy.

Customer and order	LA Peptides · GSA-2026-000080
Sample and report	LA-SEMAXSPRAY-20261127 · Semax spray · Lot 2618
Report reference	Unsigned draft
Certificate accession	
Date and time (UTC)	Nov 27, 2026
Approval reference	
Original report SHA-256	

Gold Standard Analytics

Release record

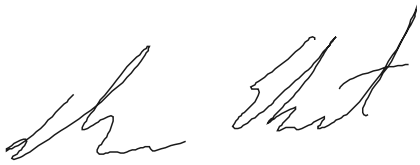
goldstandardanalytics.com

Report GSA-COA-CUST-SEMAX-SPRAY-UPL-1f46e133391d · Certificate GSA-2026-565753

Customer and order	LA Peptides · Custom sample (no order)
Sample and report	Semax Spray · Certificate of Analysis
Report reference	GSA-COA-CUST-SEMAX-SPRAY-UPL-1f46e133391d
Certificate accession	GSA-2026-565753
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-11-27 21:17:15Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	650dc280-5d64-41d1-b930-f46145f8dd3a
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	1e33c3a7800d4e423e19c81ca3df5cbce87c9d83be149101b62f25f9cf7e06ef
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-565753

Scan to view this certificate online

Signature



Ian Ebert, Laboratory Director