# Certificate of Analysis

Report GSA-COA-CUST-LA-GSH1500-20261104
Issued 2026-11-04 · Page 1 of 2

Scan to verify

## Glutathione 1500 mg

Custom sample · LA Peptides

| | |
|---|---|
| **Customer** | LA Peptides |
| **Order** | Custom sample |
| **Label** | Glutathione 1500mg |
| **Lot** | Not provided |
| **Prepared** | Whole vial contents dissolved in water with 0.1 % formic acid, then diluted 1 in 10 |
| **Tested** | 4 Nov 2026 |
| **Tests** | Identity, Purity, Impurity breakdown |

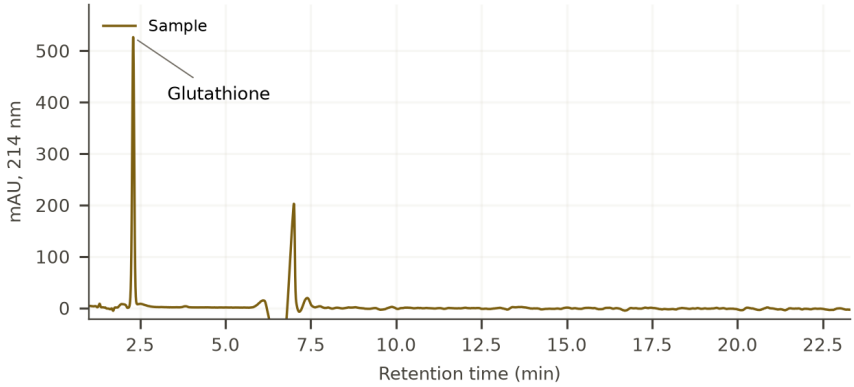


The sample as received

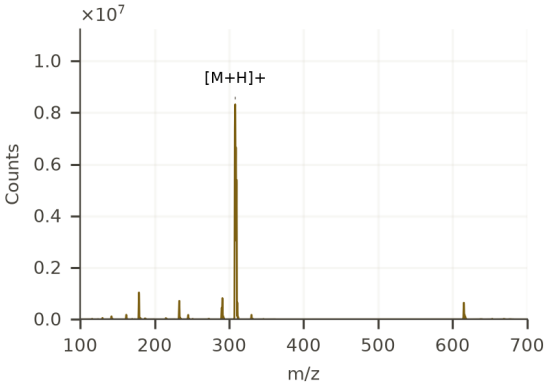
**IDENTITY**
**Glutathione**
declared compound found

**PURITY**
**98.8 %**
HPLC-UV, 214 nm

### HPLC chromatogram (UV, 214 nm)




### Mass spectrum of the glutathione peak (2.30 min)




### Results

| | |
|---|---|
| **Identity** | **Consistent with glutathione.** Found at 2.30 min, main ion m/z 308.2 ([M+H]+, expected 308.1), with its isotope at m/z 310.0. |
| **Purity** | **98.8 %** by HPLC with UV detection at 214 nm, counting every peak found in the sample. |
| **How to read this** | A peak at about 7.0 minutes comes from the mobile phase, not from the sample: it appears at full height in runs where nothing is injected at all. It is not counted. About 1 % of glutathione-related material comes off at the same time as that peak and could not be measured separately, so the purity figure may be overstated by up to about 1 %. Purity is a share of the UV peak area, not a weight percentage. This is a development method and has not been validated. No reference standard was run with this sample, so the identification is by molecular mass. The raw instrument data for this run follows with the next data upload. |

### Impurities

Every other peak found in the sample:

| Peak (min) | Amount | What it is |
|---|---|---|
| 1.31 | 0.40 % | Comes off with the solvent front, before the column separates anything. Its mass spectrum is related to glutathione. |
| 8.97 | 0.20 % | An unidentified substance; its mass spectrum is not related to glutathione. |
| 13.68 | 0.47 % | An unidentified substance; its mass spectrum is not related to glutathione. |

Trace peaks below 0.10 % add up to 0.09 %. Amounts are shares of the UV peak area at 214 nm.

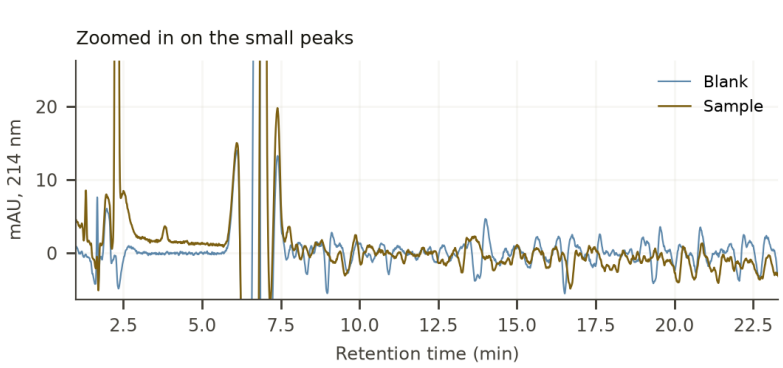
**APPROVED FOR RELEASE**

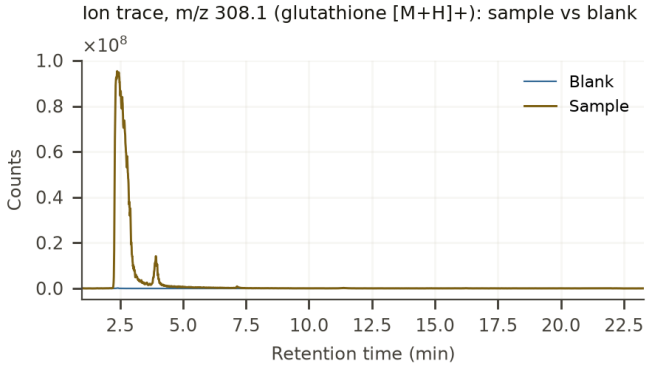
IAN EBEERT, Laboratory Director

**Signed electronically**
5 Nov 2026, 01:40 UTC
Release record: last page

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

## Zoomed views




## 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, 0.300 mL/min; water and acetonitrile, each with 0.1 % formic acid, acetonitrile held at 0 % to 3 minutes then raised to 50 % over 20 minutes. Injection 0.2 µL. Purity: UV peak area at 214 nm, every peak counted, after subtracting a blank of the mobile phase injected at the same volume immediately before the sample. Identity: molecular mass ([M+H]+) in the mass spectrum at the compound's retention time.

## Notes

Results apply only to the sample as received and tested.

**APPROVED FOR RELEASE**

Signed electronically by a Gold Standard Analytics lab technician at release.
The signature is at the bottom of page 1; the release record, the last page of this certificate, gives the date and verification code.

# Gold Standard Analytics

goldstandardanalytics.com

# Release record

Report GSA-COA-CUST-LA-GSH1500-20261104 · Certificate GSA-2026-035379

| | |
|---|---|
| **Customer and order** | LA Peptides · Custom sample (no order) |
| **Sample and report** | LA-GSH1500 · Glutathione 1500 mg Certificate of Analysis |
| **Report reference** | GSA-COA-CUST-LA-GSH1500-20261104 |
| **Certificate accession** | GSA-2026-035379 |
| **Released and signed by** | IAN EBEERT, Laboratory Director |
| **Date and time (UTC)** | 2026-11-05 01:40:58Z |
| **Signature meaning** | Approved for release. The signer reviewed this report and approved its release to its customer. |
| **Approval reference** | 8e72ac7d-58ba-456a-b701-1cd27cf35563 |
| **Electronic signature** | Signed electronically in a signed-in GSA staff account. |
| **Original report SHA-256** | f57c4bce939037981edbe62f721099a67f158ec56d56f7af6ac3484f4fd3ebeb |
| **Verify this certificate** | https://goldstandardanalytics.com/coa/GSA-2026-035379 |

Scan to view this certificate online

**Signature**



IAN EBEERT, Laboratory Director

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