Gold Standard Analytics

Gold Standard Analytics LLC, Houston, TX

CERTIFICATE OF ANALYSIS

Report GSA-COA-000092-09209-20261117-3 · issued Nov 24, 2026

Vitalis Peptides

PRODUCT	ORDER	SAMPLE
GHK-Cu	GSA-2026-000092	092-09
LABEL	**LOT**	**ISSUED**
Vitalis Peptides, batch CU261016B	CU261016B	Nov 24, 2026



THE SAMPLE AS RECEIVED

IDENTITY ✓

GHK-Cu

confirmed by mass

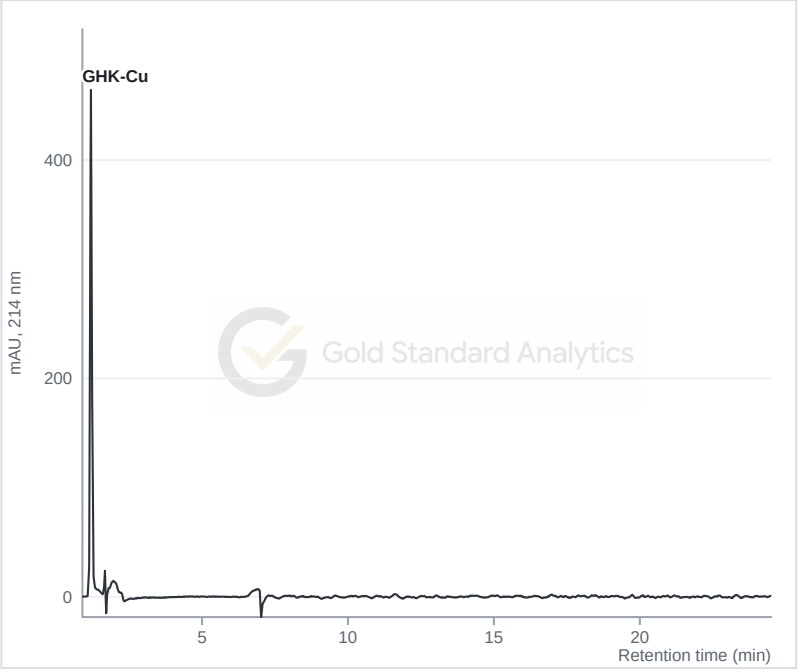
PURITY ✓

98.88 %

HPLC-UV, 214 nm

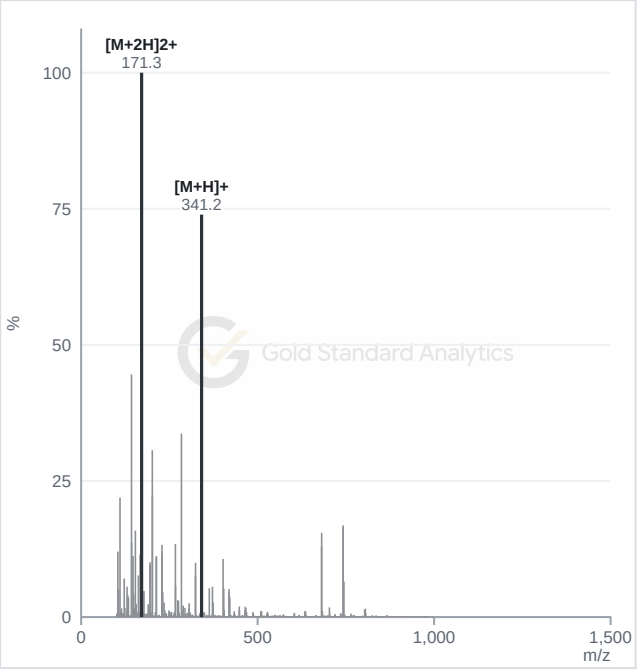
HPLC CHROMATOGRAM

UV, 214 nm



MASS SPECTRUM

main peak (1.19 min)



RELEASED BY

Ian Ebert

Laboratory Director · Nov 25, 2026

Scan to verify

goldstandardanalytics.com/coa/

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

The sample

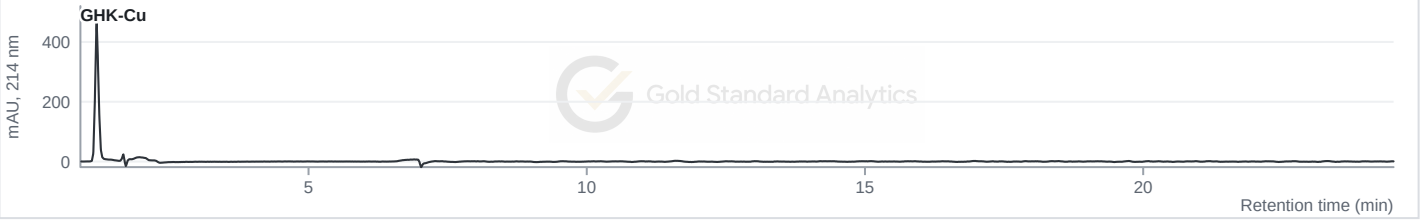
Order GSA-2026-000092 · Sample 092-09 · Vitalis Peptides

Customer	**Vitalis Peptides**	Lot	**CU261016B**
Order	**GSA-2026-000092**	Prepared	**16 Nov 2026**
Sample	**092-09**	Tested	**17 Nov 2026**
Label	**Vitalis Peptides, batch CU261016B**	Tests	**Identity, Purity**

Graphs

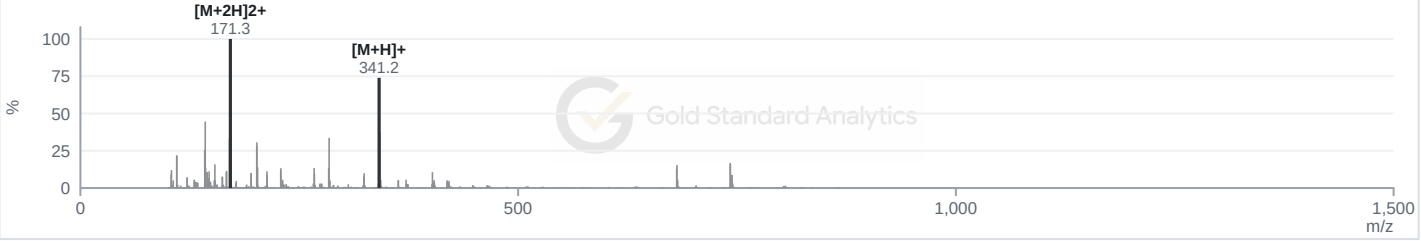
HPLC CHROMATOGRAM

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



MASS SPECTRUM

Mass spectrum of the main peak (1.19 min) · Counts against m/z



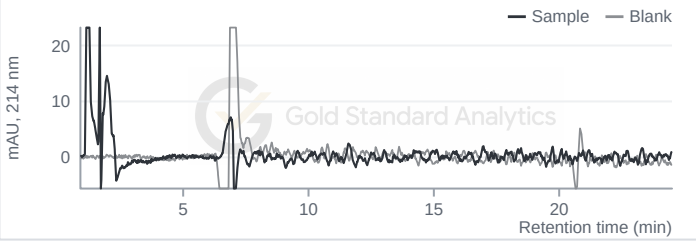
Results

Identity	**Consistent with GHK-Cu.** The main peak is GHK-Cu (its peptide GHK, with the copper complex at m/z 402.1) at 1.19 min (m/z 341.2 and m/z 171.3; measured mass 340.4, expected 340.4).
Purity	**98.88 %** by HPLC with UV detection at 214 nm. No peak other than GHK-Cu was found, down to about 1.12 % of the GHK-Cu peak height, and no form of the peptide was found by mass, so purity is reported as 98.88 % rather than as 100 %. 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.

Zoomed views

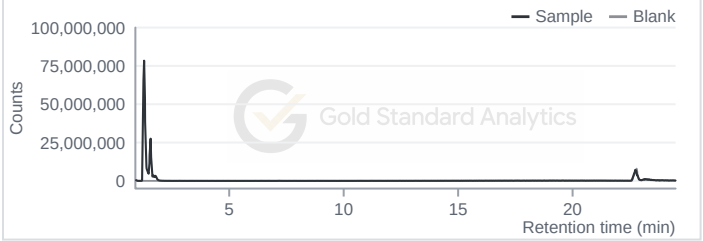
HPLC, SMALL PEAKS

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



ION TRACE

Ion trace, m/z 341.2 (GHK-Cu [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.

Gold Standard Analytics

goldstandardanalytics.com

Release record

Report GSA-COA-000092-09209-20261117-3 · Certificate GSA-2026-976599

Customer and order	Vitalis Peptides · GSA-2026-000092
Sample and report	092-09 · GHK-Cu Certificate of Analysis
Report reference	GSA-COA-000092-09209-20261117-3
Certificate accession	GSA-2026-976599
Released and signed by	Ian Ebert, Laboratory Director
Date and time (UTC)	2026-11-25 01:04:03Z
Signature meaning	Approved for release. The signer reviewed this report and approved its release to its customer.
Approval reference	347cf288-3ba6-4b5e-9243-a51d486a9276
Electronic signature	Signed electronically in a signed-in GSA staff account.
Original report SHA-256	fc343f5e8d9b1f0740107b727d2735150d607c2ee0fc9f4a06da6ddd8e29204f
Verify this certificate	https://goldstandardanalytics.com/coa/GSA-2026-976599

Scan to view this certificate online

Signature

Ian Ebert, Laboratory Director

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