Synaptica Analytics

Independent Laboratory Analysis Report

OFFICIAL ANALYTICAL DOCUMENT

REPORT ID
SYN-2026-004947

Analysis Report

Official laboratory analysis summary for the submitted sample and associated quality-control review.

SAMPLE	RECEIVED DATE	ANALYSIS DATE	REPORT GENERATED
GHK-Cu	May 21, 2026	May 27, 2026	May 28, 2026

STRENGTH	100mg	MANUFACTURER	PepticoreAminos
BATCH NUMBER	PC-GK100-0526E	LAB CODE	673-1
CLIENT	www.pepticoreaminos.us		

SAMPLE INFORMATION

GHK-Cu

100MG

FORM	Blue lyophilized powder in a glass vial
SAMPLE SUBMISSION	Sample provided by customer
BATCH	PC-GK100-0526E
CAP / CRIMP COLOR	Trasparent/Silver
RECEIVED DATE	May 21, 2026

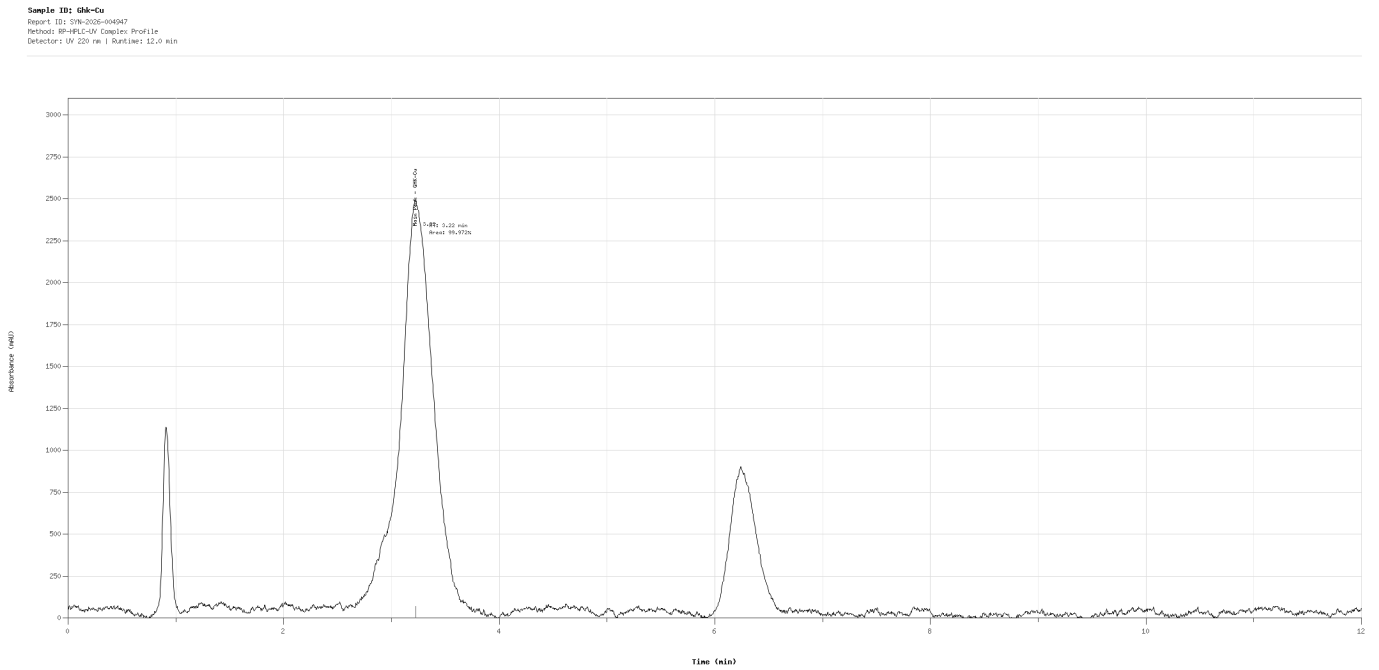
SAMPLE IMAGE

ANALYTICAL SUMMARY

IDENTITY	GHK-Cu
PURITY	99.972%
QUANTITY	104.84mg
BATCH	PC-GK100-0526E
MANUFACTURER	PepticoreAminos

RP-HPLC-UV CHROMATOGRAM (220 NM)

Detection: UV 220 nm | Runtime: 12.0 min



METHOD

TIME	H2O + 0.1% TFA	ACN + 0.1% TFA
0min	94%	6%
2min	94%	6%
10min	18%	82%
12min	18%	82%

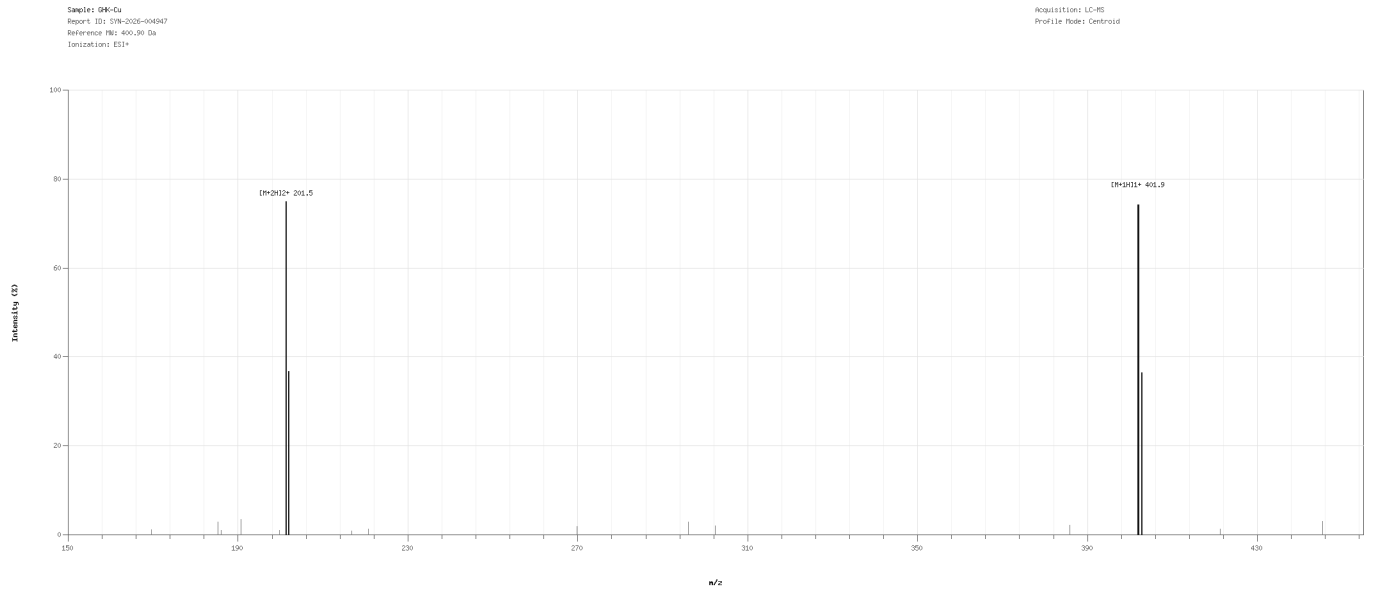
TECHNICAL NOTE

Analytical conclusions are limited to the tested sample and the conditions described in this report. Total runtime: 12.0 minutes.

COMMENTS

The sample complies with the defined analytical specifications for identity, purity and impurity profile under the applied RP-HPLC-UV method.

LC-MS MASS SPECTRUM



Charge-state distribution and isotope clustering are consistent with the expected analytical mass response.

ANALYSIS & METHODOLOGY

STANDARD PEPTIDE PURITY, MASS & ADDITIONAL TESTING

Sample analyzed by reverse-phase HPLC with UV detection using controlled analytical parameters. Chromatographic behavior and purity response were assessed through internal laboratory criteria.

BIOBURDEN

TEST	RESULT	UNIT	REPORTING LIMIT
Total Aerobic Microbial Count USP <61>/Eur. Ph. 2.6.12. Plate Count Method	**Not detected**	**CFU/g**	**>= 1000**
Total Yeast and Mold Count USP <61>/Eur. Ph. 2.6.12. Plate Count Method	**Not detected**	**CFU/g**	**>= 100**

ENDOTOXIN ANALYSIS

TEST	RESULT	UNIT	REPORTING LIMIT
Bacterial Endotoxin USP<85>/ Eur. Ph. 2.6.14. Bacterial Endotoxin Chromogenic Test	**< 0.001**	**EU/mg**	**> 0.5**

HEAVY METALS

TEST	RESULT	UNIT	REPORTING LIMIT
Arsenic Elemental Impurities Screening	**Not detected**	**ppm**	**>= 1.5**
Cadmium Elemental Impurities Screening	**Not detected**	**ppm**	**>= 0.5**
Cobalt Elemental Impurities Screening	**Not detected**	**ppm**	**>= 25**
Lead Elemental Impurities Screening	**Not detected**	**ppm**	**>= 1.5**

TEST	RESULT	UNIT	REPORTING LIMIT
Nickel Elemental Impurities Screening	**Not detected**	**ppm**	**>= 25**
Quicksilver Elemental Impurities Screening	**Not detected**	**ppm**	**>= 1.5**
Vanadium Elemental Impurities Screening	**Not detected**	**ppm**	**>= 25**

TECHNICAL APPENDIX

This appendix documents the analytical methodology, instrumentation and acceptance criteria applied for the evaluation of the sample.

COMPOUND REFERENCE

PARAMETER	GHK-CU
PUBCHEM CID	139035031
CAS	49557-75-7
MOLECULAR FORMULA	C14H21CuN6O4-
MOLECULAR WEIGHT	400.9 g/mol

METHOD SPECIFICATION

PARAMETER	METAL COMPLEX RP-HPLC-UV SCREENING
ANALYTICAL MODE	RP-HPLC-UV screen for metal-complex peptide profile
COLUMN	C18 compatible analytical column
MOBILE PHASE A	Water + 0.1% TFA
MOBILE PHASE B	Acetonitrile + 0.1% TFA
FLOW RATE	0.8 mL/min
DETECTION	UV 220 nm
INJECTION VOLUME	10 uL
RUNTIME	12.0 min
SAMPLE DILUENT	Aqueous organic diluent compatible with complexed peptides
SAMPLE PREPARATION	Diluted and mixed using low-metal-contact handling

INSTRUMENT PLATFORM

PARAMETER	COMPLEX-SCREENING HPLC-UV PLATFORM
SYSTEM TYPE	Analytical HPLC system
DETECTOR	UV/VIS detector
ACQUISITION	Chromatographic acquisition and integration software
REVIEW MODE	Primary peak, related profile and late-event review

PARAMETER	COMPLEX-SCREENING HPLC-UV PLATFORM
WORKFLOW NOTE	Used for specialty peptide and complex-associated profiles

ANALYTICAL CRITERIA

PARAMETER	ACCEPTANCE FRAMEWORK	BASIS
IDENTITY	Retention-time and profile agreement with reference expectations	Chromatographic identity review
PURITY	NLT 98.0% unless a stricter report-specific specification is declared	Integrated RP-HPLC-UV purity profile
QUANTITY	Measured content reviewed against the declared sample strength	Report-level analytical summary
BIOBURDEN	Not detected or within stated reporting limits	Microbial screening table
ENDOTOXIN	Below stated reporting limit / internal screening threshold	Endotoxin analysis table
HEAVY METALS	Below individual reporting limits where screened	Elemental impurities screening table

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VERIFICATION

Verify this report through the official Synaptica Analytics verification page using the details below.
Verification URL synaptica-labs.com/verify-report
Report ID SYN-2026-004947
Verification Key VK-TP6Y-BEYE

SCAN TO VERIFY

DIGITAL SIGNATURE

DIGITALLY SIGNED BY:
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Date: 2026.05.28
14:36:14 +02'00'
Director