Synaptica Analytics

Independent Laboratory Analysis Report

OFFICIAL ANALYTICAL DOCUMENT

REPORT ID
SYN-2026-004899

Analysis Report

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

SAMPLE	RECEIVED DATE	ANALYSIS DATE	REPORT GENERATED
GHK-Cu	Apr 24, 2026	Apr 29, 2026	Apr 30, 2026

STRENGTH	100mg	MANUFACTURER	PepticoreAminos
BATCH NUMBER	PC-GK100-403F	LAB CODE	987-1
CLIENT	www.pepticoreaminos.net		

SAMPLE INFORMATION

GHK-Cu

100MG

FORM	Blue powder in a glass vial
SAMPLE SUBMISSION	Sample provided by customer
BATCH	PC-GK100-403F
CAP / CRIMP COLOR	Blue/Silver
RECEIVED DATE	Apr 24, 2026

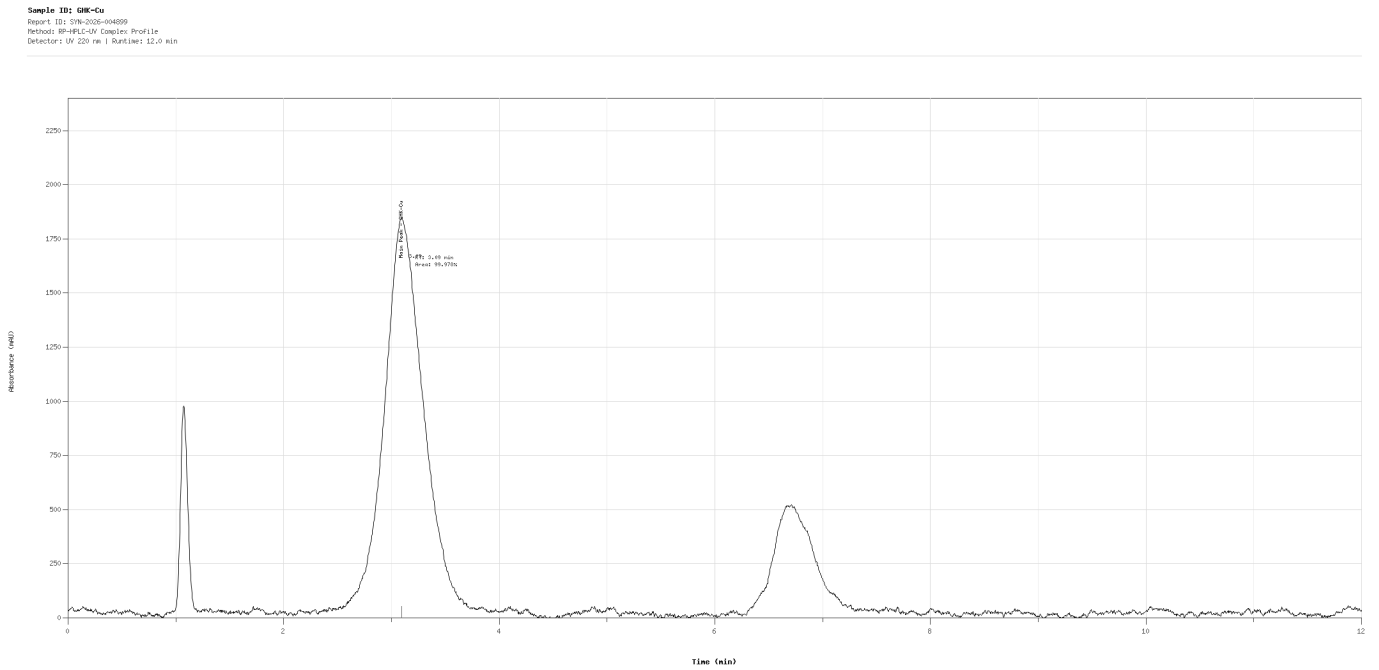
SAMPLE IMAGE

ANALYTICAL SUMMARY

IDENTITY	GHK-Cu
PURITY	99.978%
QUANTITY	102.91mg
BATCH	PC-GK100-403F
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%

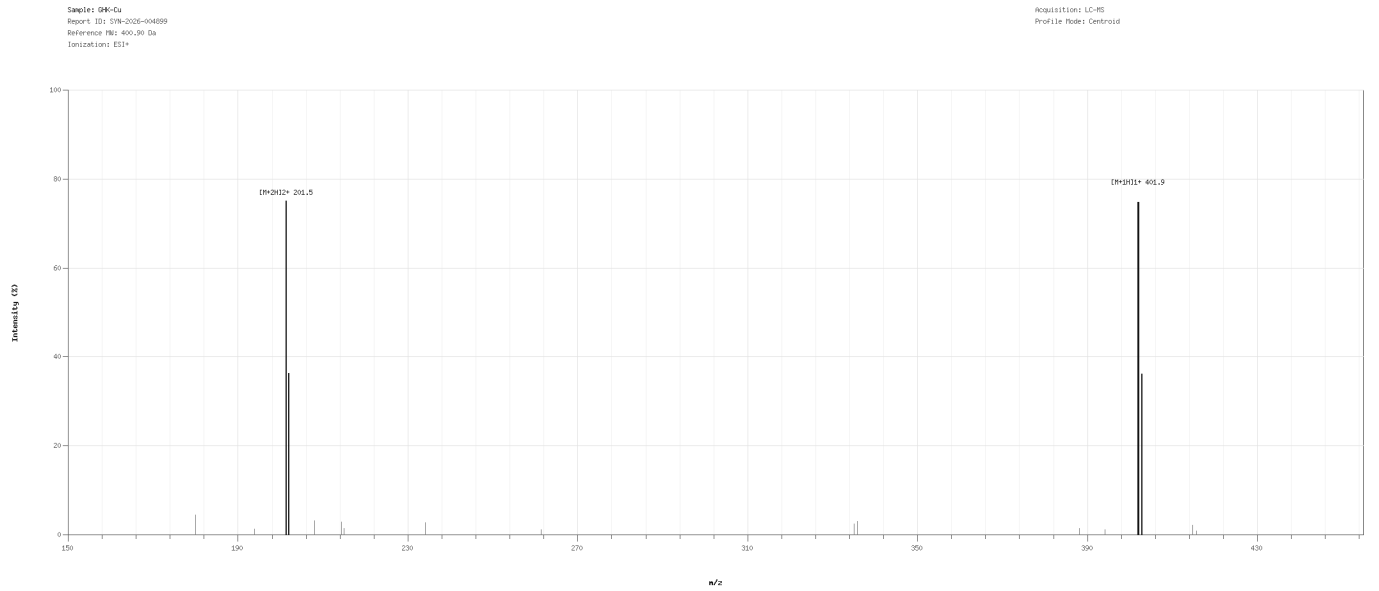
TECHNICAL NOTE

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

COMMENTS

The sample meets the defined analytical specifications for identity, purity and impurity profile according to the applied RP-HPLC-UV analytical review.

LC-MS MASS SPECTRUM



The recorded mass spectrum shows signals compatible with the expected molecular profile of the sample.

ANALYSIS & METHODOLOGY

STANDARD PEPTIDE PURITY, MASS & ADDITIONAL TESTING

Analysis performed using RP-HPLC-UV under validated laboratory conditions. Peak profile, retention behavior and purity response were evaluated against internal reference standards.

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-2026-004899
Verification Key VK-HQ63-MTF4

SCAN TO VERIFY

DIGITAL SIGNATURE

DIGITALLY SIGNED BY:
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Date: 2026.04.30
09:41:49 +02'00'
Director