Synaptica Analytics

Independent Laboratory Analysis Report

OFFICIAL ANALYTICAL DOCUMENT

REPORT ID
SYN-2026-005031

Analysis Report

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

SAMPLE	RECEIVED DATE	ANALYSIS DATE	REPORT GENERATED
KLOW	Jul 06, 2026	Jul 14, 2026	Jul 15, 2026

STRENGTH	80mg	MANUFACTURER	PepticoreAminos
BATCH NUMBER	PC-KL80-0822L	LAB CODE	987-2
CLIENT	www.pepticoreaminos.net		

SAMPLE INFORMATION

KLOW

80MG

FORM	Blue lyophilized powder in a glass vial
SAMPLE SUBMISSION	Sample provided by customer
BATCH	PC-KL80-0822L
CAP / CRIMP COLOR	Yellow/red
RECEIVED DATE	Jul 06, 2026

SAMPLE IMAGE

ANALYTICAL SUMMARY

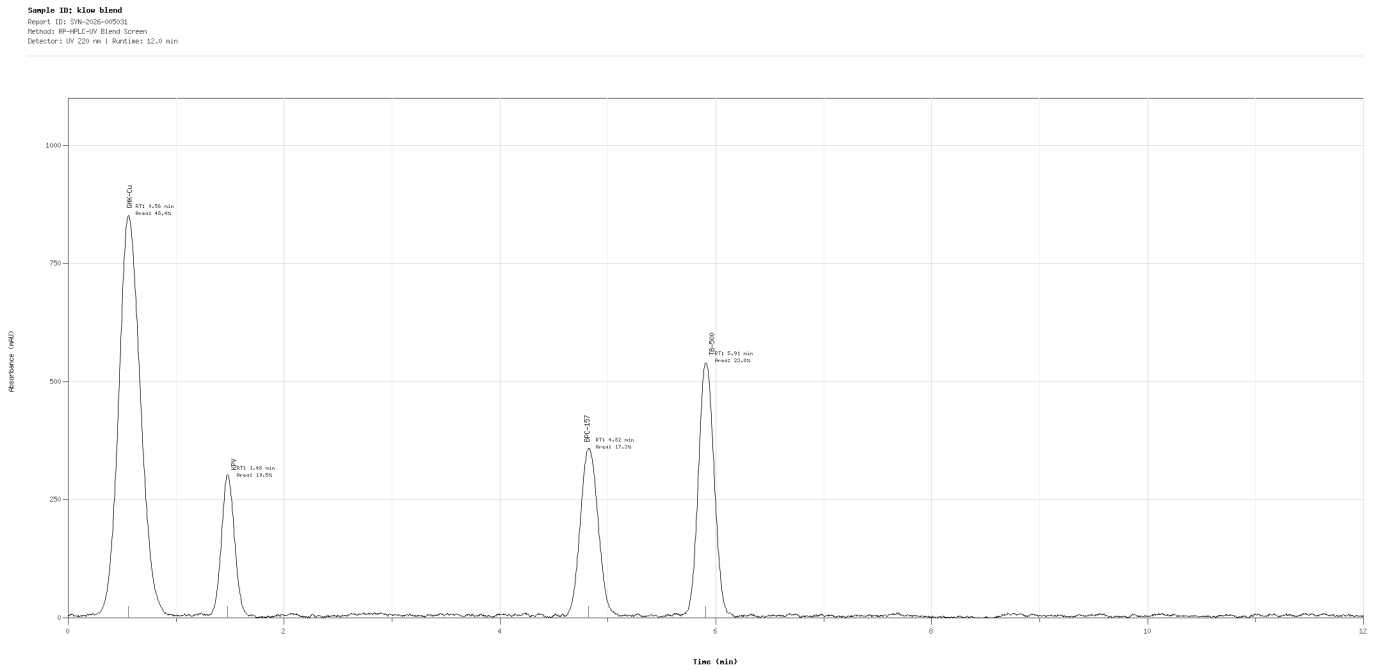
IDENTITY	KLOW
PURITY	99.482%
QUANTITY	85.53mg
BATCH	PC-KL80-0822L
MANUFACTURER	PepticoreAminos

BLEND COMPOSITION

COMPONENT	MEASURED MASS
GHK-Cu	**51.68mg**
KPV	**11.54mg**
TB-500 (TB4)	**11.10mg**
BPC-157	**11.21mg**

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	95%	5%
2min	95%	5%
10min	12%	88%
12min	12%	88%

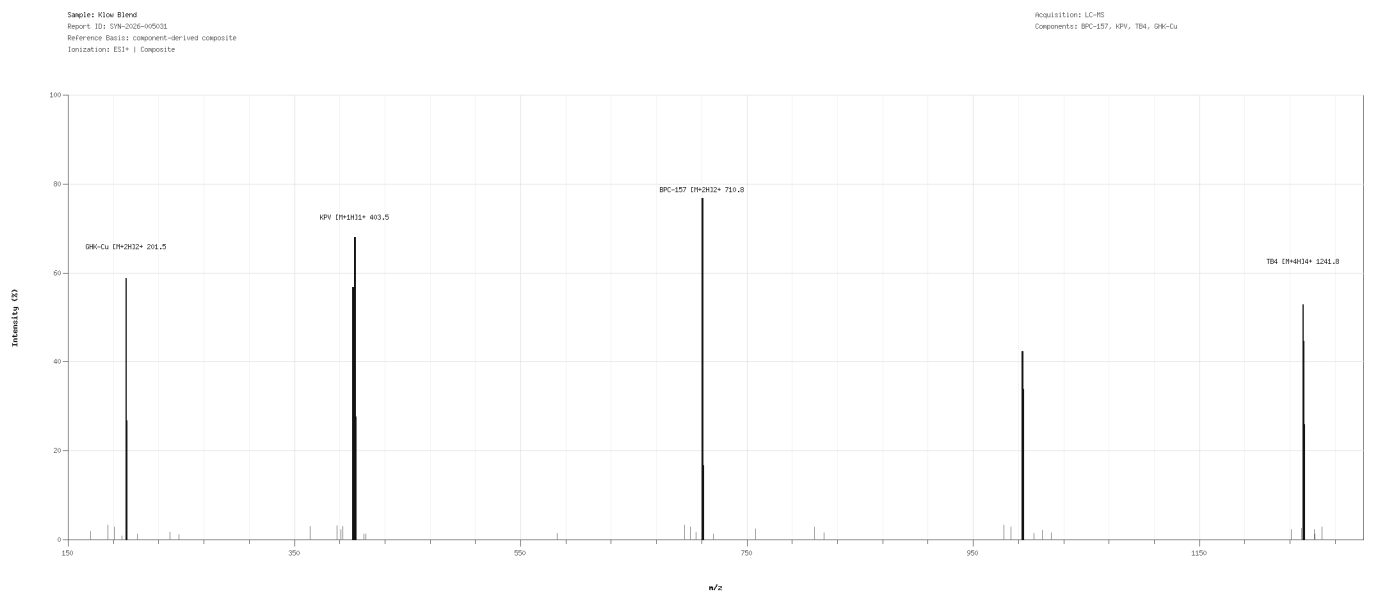
TECHNICAL NOTE

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

COMMENTS

The laboratory review confirms that the sample meets the defined analytical specifications for identity, purity and impurity profile based on the applied RP-HPLC-UV method.

LC-MS MASS SPECTRUM



The recorded mass spectrum shows distinct signals compatible with a blended analyte profile.

ANALYSIS & METHODOLOGY

STANDARD PEPTIDE PURITY, MASS & ADDITIONAL TESTING

Multi-component sample evaluated using RP-HPLC-UV methodology optimized for blended peptide matrices. Individual chromatographic contributions were reviewed within the composite profile.

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	**< 0.002**	**EU/mg**	**NMT 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.

BLEND COMPONENT REFERENCE

COMPONENT	PUBCHEM CID	CAS	MOLECULAR FORMULA	MOLECULAR WEIGHT
BPC-157	9941957	137525-51-0	C62H98N16O22	1419.5 g/mol
KPV	90474670	2828433-34-5	C18H34N4O6	402.5 g/mol
TB-500 (TB4)	45382195	77591-33-4	C212H350N56O78S	4963.0 g/mol
GHK-CU	139035031	49557-75-7	C14H21CuN6O4-	400.9 g/mol

METHOD SPECIFICATION

PARAMETER	MULTI-COMPONENT PEPTIDE BLEND RP-HPLC-UV METHOD
ANALYTICAL MODE	Multi-component RP-HPLC-UV peptide blend screen
COLUMN	C18 peptide column, multi-component gradient configuration
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 peptide blends
SAMPLE PREPARATION	Diluted, mixed and clarified before component review

INSTRUMENT PLATFORM

PARAMETER	HIGH-RESOLUTION UPLC/HPLC-UV PLATFORM
SYSTEM TYPE	High-resolution LC platform
DETECTOR	UV/VIS detector
ACQUISITION	Chromatographic acquisition and integration software
REVIEW MODE	Gradient profile review with peak integration

PARAMETER	HIGH-RESOLUTION UPLC/HPLC-UV PLATFORM
WORKFLOW NOTE	Used for long peptide and multi-component profile review

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-2026-005031
Verification Key VK-TMT2-PVVH

SCAN TO VERIFY

DIGITAL SIGNATURE

DIGITALLY SIGNED BY:
Martin Saar
Date: 2026.07.15
10:24:15 +02'00'
Director