

Analysis Report

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

SAMPLE PT-141	RECEIVED DATE Aug 03, 2026	ANALYSIS DATE Aug 10, 2026	REPORT GENERATED Aug 11, 2026
STRENGTH	10mg	MANUFACTURER	PeptiCoreAminos
BATCH NUMBER	PC-PT10-0828U	LAB CODE	887-2
CLIENT	www.peptiCoreAminos.net		

SAMPLE INFORMATION

PT-141

10MG

FORM

White lyophilized powder in a glass vial

SAMPLE SUBMISSION

Sample provided by customer

BATCH

PC-PT10-0828U

CAP / CRIMP COLOR

Red / Green

RECEIVED DATE

Aug 03, 2026



SAMPLE IMAGE

ANALYTICAL SUMMARY

IDENTITY

PT-141

PURITY

99.505%

QUANTITY

10.82mg

BATCH

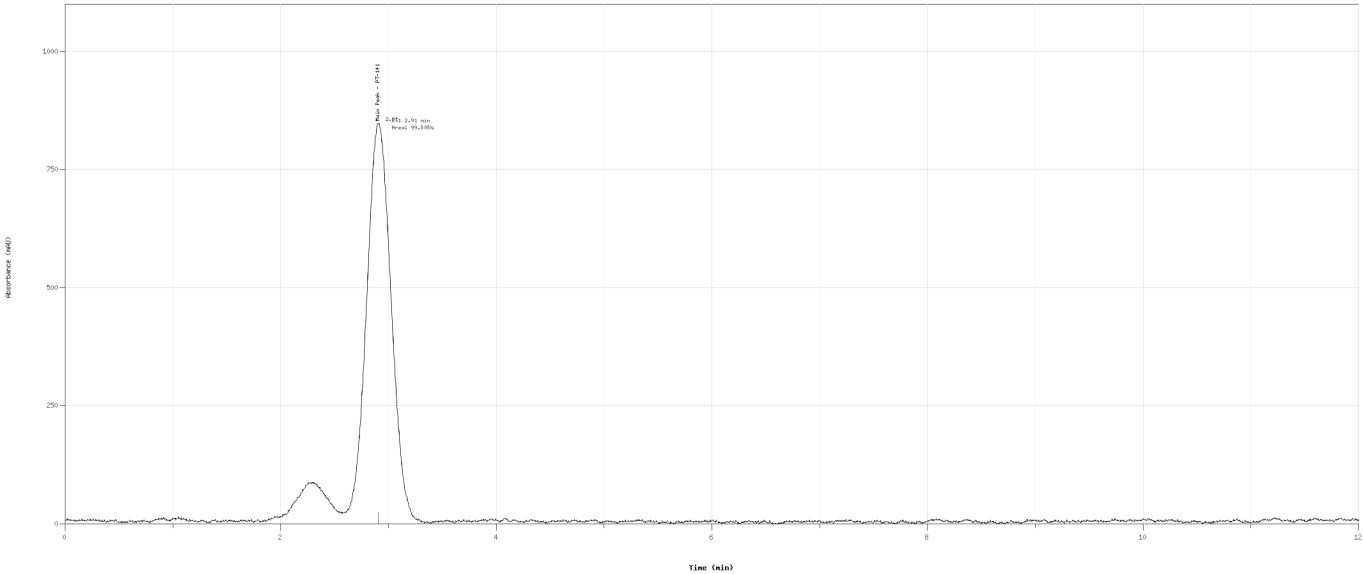
PC-PT10-0828U

MANUFACTURER

PeptiCoreAminos

RP-HPLC-UV CHROMATOGRAM (220 NM)
Detection: UV 220 nm | Runtime: 12.0 min

Sample ID: PT-141
Report ID: 519-2024-00005
Method: RP-HPLC-UV Method For Peptide Analysis
Detector: UV 220 nm | Runtime: 12.0 min



METHOD

TIME	H2O + 0.1% TFA	ACN + 0.1% TFA
0min	92%	8%
2min	92%	8%
10min	10%	90%
12min	10%	90%

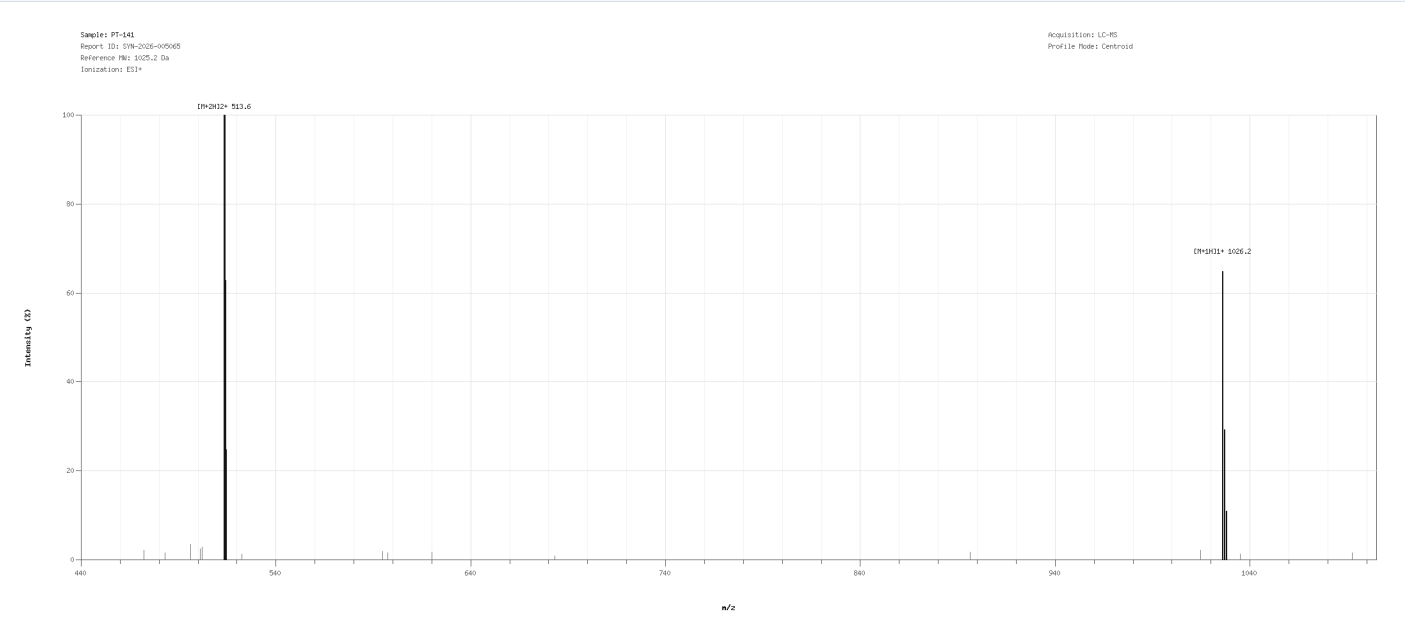
TECHNICAL NOTE

Results reported herein apply exclusively to the sample received and analyzed by the laboratory. Total runtime: 12.0 minutes.

COMMENTS

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

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	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.

COMPOUND REFERENCE

PARAMETER	PT-141
PUBCHEM CID	9941379
CAS	189691-06-3
MOLECULAR FORMULA	C50H68N14O10
MOLECULAR WEIGHT	1025.2 g/mol

METHOD SPECIFICATION

PARAMETER	RP-HPLC-UV METHOD FOR PEPTIDE ANALYSIS
ANALYTICAL MODE	Purity assessment of peptide sample by RP-HPLC-UV
COLUMN	C18 peptide column, 150 x 4.6 mm equivalent
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 analysis
SAMPLE PREPARATION	Diluted, mixed and clarified before injection

INSTRUMENT PLATFORM

PARAMETER	STANDARD HPLC-UV PLATFORM
SYSTEM TYPE	Analytical HPLC system
DETECTOR	UV/VIS detector
ACQUISITION	Chromatographic acquisition and integration software
REVIEW MODE	Retention-time, UV response and mass-spectrum review

PARAMETER	STANDARD HPLC-UV PLATFORM
WORKFLOW NOTE	Used for routine peptide purity and identity screening
MS DETECTOR	Mass spectrometer, ESI+ acquisition
MS ACQUISITION	LC-MS spectral acquisition and processing

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

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

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-2026-005065

Verification Key VK-TKWA-EHQ6

SCAN TO VERIFY



DIGITAL SIGNATURE

DIGITALLY SIGNED BY:
Martin Saar
Date: 2026.08.11
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Director

info@synaptica-labs.com
Analysis date: Aug 10, 2026
Report generated: Aug 11, 2026
Analytical testing performed by Synaptica Analytics -
Analytical Services Division

Synaptica Analytics
SYN-2026-005065
Laboratory Analysis Report
VK-TKWA-EHQ6

VERIFY AT
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