Synaptica Analytics

Independent Laboratory Analysis Report

OFFICIAL ANALYTICAL DOCUMENT

REPORT ID
SYN-2026-004961

Analysis Report

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

SAMPLE	RECEIVED DATE	ANALYSIS DATE	REPORT GENERATED
IGF-1 LR3	May 18, 2026	May 22, 2026	May 25, 2026

STRENGTH	1mg	MANUFACTURER	PepticoreAminos
BATCH NUMBER	PC-IGF1-0526E	LAB CODE	673-1
CLIENT	www.pepticoreaminos.us		

SAMPLE INFORMATION

IGF-1 LR3

1MG

FORM	White lyophilized powder in a glass vial
SAMPLE SUBMISSION	Sample provided by customer
BATCH	PC-IGF1-0526E
CAP / CRIMP COLOR	Trasparent/blue
RECEIVED DATE	May 18, 2026

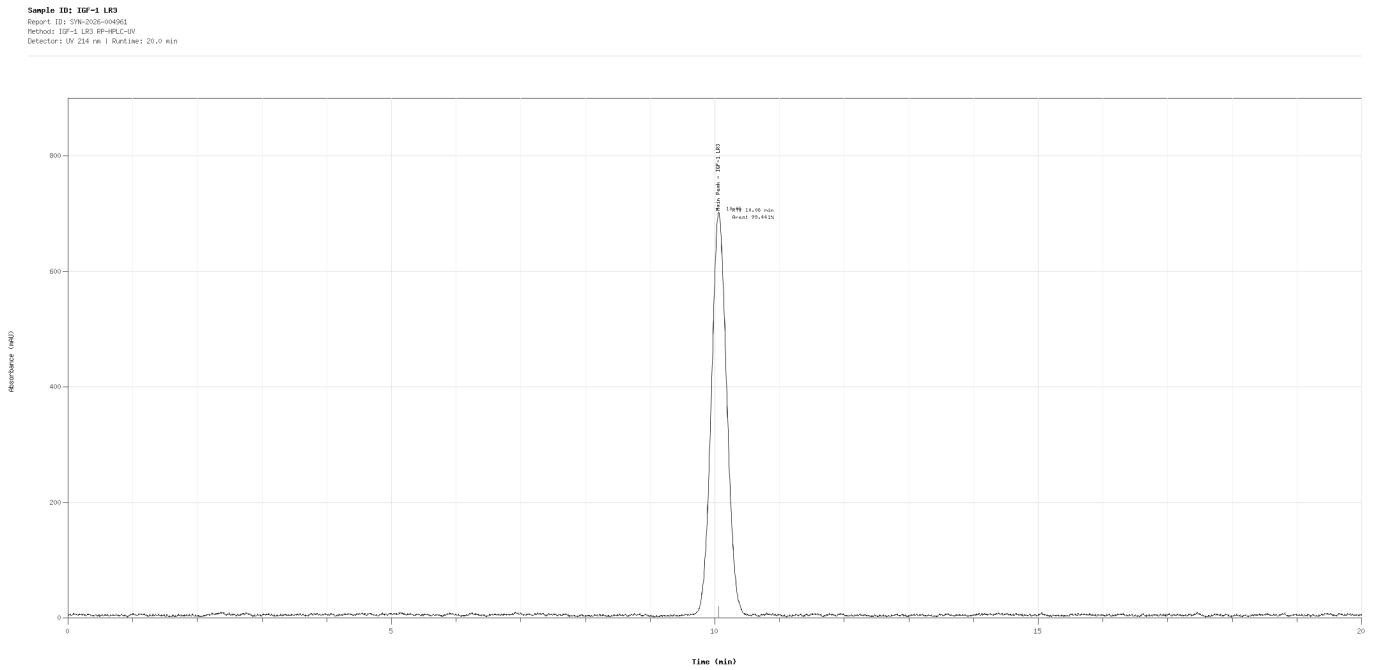
SAMPLE IMAGE

ANALYTICAL SUMMARY

IDENTITY	IGF-1 LR3
PURITY	99.441%
QUANTITY	1.04mg
BATCH	PC-IGF1-0526E
MANUFACTURER	PepticoreAminos

RP-HPLC-UV CHROMATOGRAM (214 NM)

Detection: UV 214 nm | Runtime: 20.0 min



METHOD

TIME	WATER + 0.1% TFA	ACETONITRILE + 0.1% TFA
0min	95%	5%
2min	95%	5%
10min	40%	60%
12min	5%	95%
20min	5%	95%

TECHNICAL NOTE

Analysis performed by RP-HPLC-UV at 214 nm using a TFA water/acetonitrile gradient adapted from IGF-1 LR3 peptide screening conditions. Total runtime: 20.0 minutes.

COMMENTS

The sample remains within the defined analytical specifications for identity, purity and impurity profile based on the applied RP-HPLC-UV method.

ANALYSIS & METHODOLOGY

IGF-1 LR3 RP-HPLC-UV ANALYSIS

HPLC-UV: High-Performance Liquid Chromatography with Ultraviolet detection. Additional testing includes bioburden screening, endotoxin analysis and heavy metals assessment.

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**
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.

METHOD SPECIFICATION

PARAMETER	IGF-1 LR3 RP-HPLC-UV METHOD
ANALYTICAL MODE	RP-HPLC-UV peptide identity and purity screen for IGF-1 LR3
COLUMN	Phenomenex Biozen Peptide Polar C18, 150 x 2.1 mm, 3 um equivalent
MOBILE PHASE A	Water + 0.1% TFA
MOBILE PHASE B	Acetonitrile + 0.1% TFA
FLOW RATE	0.4 mL/min
DETECTION	UV 214 nm
INJECTION VOLUME	0.5 uL
COLUMN TEMPERATURE	60 C
RUNTIME	20.0 min

PARAMETER	IGF-1 LR3 RP-HPLC-UV METHOD
SAMPLE DILUENT	Aqueous organic diluent compatible with peptide RP-HPLC screening
SAMPLE PREPARATION	Diluted, mixed and clarified before chromatographic review

INSTRUMENT PLATFORM

PARAMETER	IGF-1 LR3 RP-HPLC-UV PLATFORM
SYSTEM TYPE	High-resolution LC platform
DETECTOR	UV/VIS detector configured at 214 nm
ACQUISITION	Chromatographic acquisition and integration software
REVIEW MODE	Large peptide retention-time and peak purity profile review
WORKFLOW NOTE	Used for IGF-1 LR3 RP-HPLC-UV identity and purity screening

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-2026-004961
Verification Key VK-JMKY-2L7X

SCAN TO VERIFY

DIGITAL SIGNATURE

DIGITALLY SIGNED BY:
Martin Saar
Date: 2026.05.25 16:20:27 +02'00'
Director