# Synaptica Analytics

Independent Laboratory Analysis Report

OFFICIAL ANALYTICAL DOCUMENT

REPORT ID
**SYN-2026-004945**

## Analysis Report

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

| SAMPLE | RECEIVED DATE | ANALYSIS DATE | REPORT GENERATED |
|---|---|---|---|
| Ipamorelin | May 20, 2026 | May 26, 2026 | May 27, 2026 |

| | | | |
|---|---|---|---|
| STRENGTH | 10mg | MANUFACTURER | PepticoreAminos |
| BATCH NUMBER | PC-IP10-0626E | LAB CODE | 657-1 |
| CLIENT | www.pepticoreaminos.us | | |

### SAMPLE INFORMATION

# Ipamorelin

**10MG**

| | |
|---|---|
| FORM | White lyophilized powder in a glass vial |
| SAMPLE SUBMISSION | Sample provided by customer |
| BATCH | PC-IP10-0626E |
| CAP / CRIMP COLOR | Trasparent/Silver |
| RECEIVED DATE | May 20, 2026 |

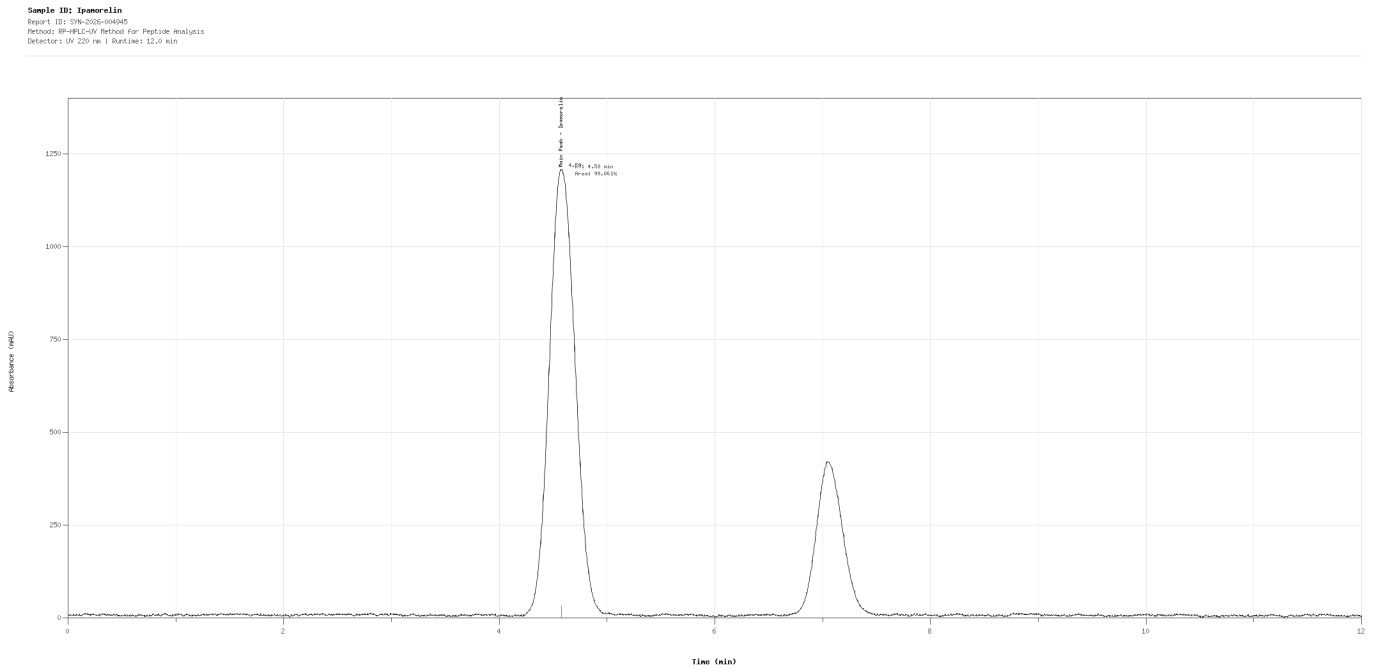

SAMPLE IMAGE

### ANALYTICAL SUMMARY

| | |
|---|---|
| IDENTITY | Ipamorelin |
| PURITY | 99.861% |
| QUANTITY | 9.98mg |
| BATCH | PC-IP10-0626E |
| 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 | 95% | 5% |
| 2min | 95% | 5% |
| 10min | 8% | 92% |
| 12min | 8% | 92% |

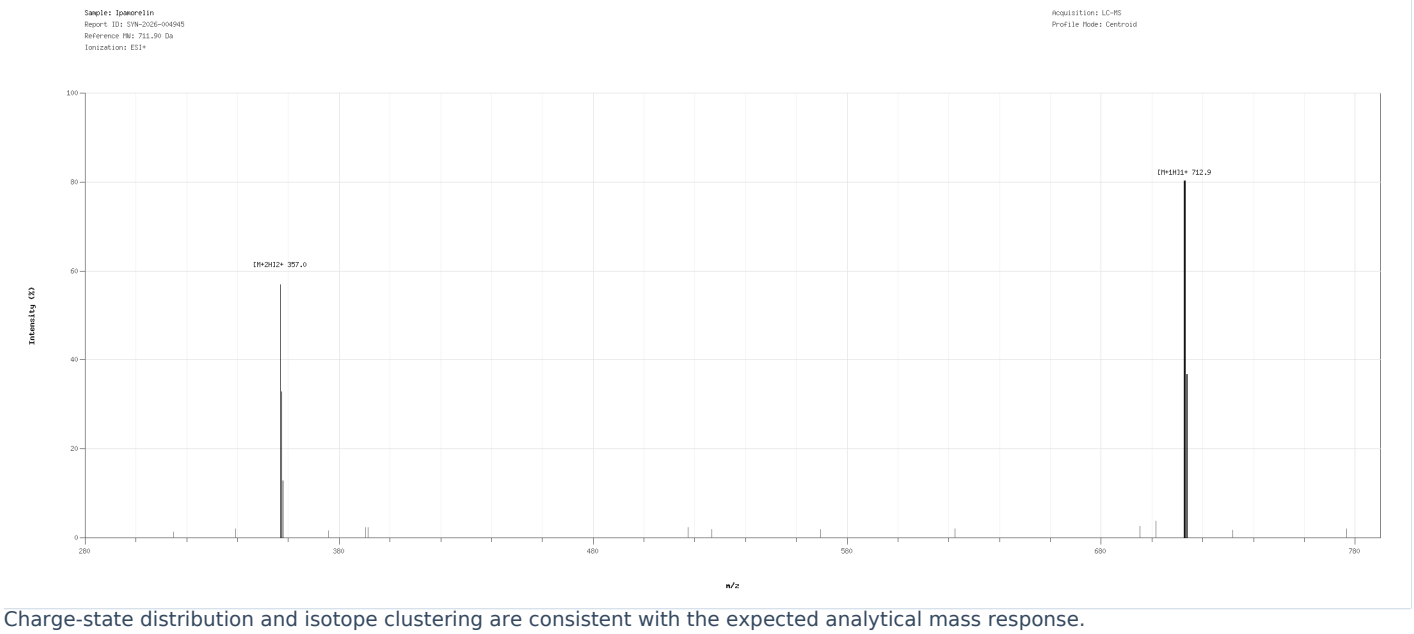
### TECHNICAL NOTE

Results reported herein apply exclusively to the sample received and analyzed by the laboratory. 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**<br>USP <61>/Eur. Ph. 2.6.12. Plate Count Method | **Not detected** | **CFU/g** | **>= 1000** |
| **Total Yeast and Mold Count**<br>USP <61>/Eur. Ph. 2.6.12. Plate Count Method | **Not detected** | **CFU/g** | **>= 100** |

### ENDOTOXIN ANALYSIS

| TEST | RESULT | UNIT | REPORTING LIMIT |
|---|---|---|---|
| **Bacterial Endotoxin**<br>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**<br>Elemental Impurities Screening | **Not detected** | **ppm** | **>= 1.5** |
| **Cadmium**<br>Elemental Impurities Screening | **Not detected** | **ppm** | **>= 0.5** |
| **Cobalt**<br>Elemental Impurities Screening | **Not detected** | **ppm** | **>= 25** |
| **Lead**<br>Elemental Impurities Screening | **Not detected** | **ppm** | **>= 1.5** |

| TEST | RESULT | UNIT | REPORTING LIMIT |
|---|---|---|---|
| **Nickel**<br>Elemental Impurities Screening | **Not detected** | **ppm** | **>= 25** |
| **Quicksilver**<br>Elemental Impurities Screening | **Not detected** | **ppm** | **>= 1.5** |
| **Vanadium**<br>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 | IPAMORELIN |
|---|---|
| **PUBCHEM CID** | 9831659 |
| **CAS** | 170851-70-4 |
| **MOLECULAR FORMULA** | C38H49N9O5 |
| **MOLECULAR WEIGHT** | 711.9 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** | 1.0 mL/min |
| **DETECTION** | UV 220 nm |
| **INJECTION VOLUME** | 10 uL |
| **RUNTIME** | 12.0 min |
| **SAMPLE DILUENT** | Water/acetonitrile compatible diluent |
| **SAMPLE PREPARATION** | Diluted to working concentration and filtered/clarified |

## 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 and response-profile review |

| PARAMETER | STANDARD HPLC-UV PLATFORM |
|---|---|
| WORKFLOW NOTE | Used for routine peptide purity and identity 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 |

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-2026-004945
**Verification Key** VK-WTCF-K43G

SCAN TO VERIFY

## DIGITAL SIGNATURE

DIGITALLY SIGNED BY:
**Martin Saar**
Date: 2026.05.27
10:57:19 +02'00'
Director