# Silverback Wellness

**CERTIFICATE OF ANALYSIS · LOT RELEASE**

silverbackgroup.co

CERTIFICATE NO.
**PL-26-00024**

VERIFICATION KEY
**GFEZEMLN**

Scan or enter both at prymalab.net/testing/verify

**CERTIFICATE OF ANALYSIS · LOT RELEASE · ISSUED FOR SILVERBACK WELLNESS**

# CJC-1295 (no DAC) / Ipamorelin Blend 10 mg

Lot **PL-2609-024** · Lyophilized co-blend powder · Label claim **10 mg/vial** · Distributed as **CJC-1295 / Ipamorelin (No DAC)**

**TESTED IN-HOUSE BY PRYMALAB**

In-house analytical result, not an independent third-party test

| LOT / BATCH NUMBER | DATE MADE | DATE OF ANALYSIS | DATE ISSUED |
|---|---|---|---|
| **PL-2609-024** | **2026-09-17** | **2026-09-18** | **2026-10-03** |
| **RETEST / EXPIRY** | **UNITS IN LOT / SAMPLED** | **STORAGE** | **CERTIFICATE TYPE** |
| **2028-09-17** | **250 / 2** | −20 °C, desiccated, dark | Lot COA, 2 pages |

**COMPOUND**
**CJC-1295 (no DAC) / Ipamorelin Blend**
Modified GRF(1–29) + Ipamorelin co-lyophilized 1:1 blend

**CAS NUMBER**
**863288-34-0 · 170851-70-4**

**MOLECULAR FORMULA**
$C_{152}H_{252}N_{44}O_{42}$ · $C_{38}H_{49}N_9O_5$

**THEORETICAL MASS (AVG.)**
3367.9 · 711.9 Da (CJC-1295 (no DAC) / Ipamorelin)

**COMPOSITION AND SEQUENCES**

**CJC-1295 (no DAC) 5 mg**: H–Y–[D–Ala]–DAIFTQSYRKVLAQLSARKLLQDILSR–$NH_2$ (29 residues; C-terminal amide) · **Ipamorelin 5 mg**: H–Aib–H–[D–2–Nal]–[D–Phe]–K–$NH_2$ (5 residues; C-terminal amide)

**PURITY · RP-HPLC, AREA %**
**99.69%**
Specification 99.0% (blend, sum of both component peaks)

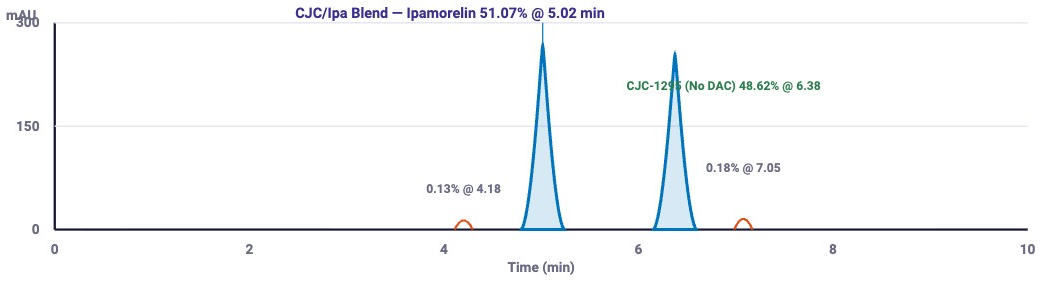
**IDENTITY · OBSERVED MASS**
**2 / 2**
Components confirmed by LC-MS within ± 1.0 Da: 3368.1 / 712.1 Da

**OVERALL CONCLUSION**
**PASS**
Meets every specification for the tests performed

| TEST | METHOD | SPECIFICATION | RESULT | CONCLUSION |
|---|---|---|---|---|
| **Appearance** | Visual inspection | White to off-white lyophilized powder | White lyophilized powder | **PASS** |
| **Identity (mass)** | LC-MS, ESI positive | Theoretical ± 1.0 Da, each component | 3368.1 Da (CJC-1295 No DAC) · 712.1 Da (Ipamorelin) | **PASS** |
| **Purity** | RP-HPLC, UV 214 nm, area% | 99.0% (blend) | 99.69% | **PASS** |
| **Largest impurity** | RP-HPLC, area% | 1.0% | 0.18% at 7.05 min | **PASS** |
| **Water content** | Karl Fischer | 5.0% | 1.7% | **PASS** |
| **Bacterial endotoxin** | LAL, kinetic | ≤ 5.0 EU/mg | 0.05 EU/mg | **PASS** |
| **Sterility / bioburden** | USP <71>, membrane filtration | No growth after 14 days | No growth; conforms | **PASS** |

## 1 HPLC CHROMATOGRAM

**Data file:** CJI_PL-2609-024_20260918_01 · Column C18, 150 × 4.6 mm · UV 214 nm




Baseline uncropped; both component peaks and impurities labeled with retention times. Peak table on page 2.




**For laboratory research use only.** Not for human or veterinary use.

## 2 HPLC METHOD · CJI_PL-2609-024_20260918_01

**INSTRUMENT**
Waters Alliance e2695, SN E2695B742

**DATA SYSTEM**
Empower 3, Build 3471

**DETECTOR**
Waters 2998 PDA

**DETECTION WAVELENGTH**
214 nm

**COLUMN**
C18, 150 × 4.6 mm, 3.5 µm

**COLUMN PART / SERIAL**
186003326 / USHX18211

**MOBILE PHASE A**
0.1% TFA in water

**MOBILE PHASE B**
0.1% TFA in MeCN

**FLOW RATE**
1.0 mL/min

**COLUMN TEMPERATURE**
30 °C

**INJECTION VOLUME**
20 µL

**RUN TIME**
10 min

**SAMPLE DILUENT**
Water, 0.1% TFA

**SAMPLE CONCENTRATION**
0.5 mg/mL (blend)

**BLANK INJECTED**
Yes

**REFERENCE STANDARD**
In-house CJC/Ipamorelin blend reference, lot PL-RS-CJI-01, component RTs 5.00 / 6.36 min

## 3 GRADIENT PROGRAM

| TIME (MIN) | % A | % B |
|---|---|---|
| 0.0 | 95 | 5 |
| 3.0 | 95 | 5 |
| 7.0 | 55 | 45 |
| 8.0 | 20 | 80 |
| 9.0 | 20 | 80 |
| 10.0 | 95 | 5 |

## 4 PEAK TABLE

| PEAK | RT (MIN) | AREA | AREA % |
|---|---|---|---|
| 1 | 4.18 | 5,590 | 0.13 |
| 2 (Ipamorelin) | 5.02 | 2,196,010 | 51.07 |
| 3 (CJC-1295 No DAC) | 6.38 | 2,090,660 | 48.62 |
| 4 | 7.05 | 7,740 | 0.18 |
| Total | | 4,300,000 | 100.00 |

Threshold 0.05% area · Blank subtracted: Y · Purity = main peak area ÷ total integrated area × 100, to two decimals; main peak shaded.

## 5 IDENTITY BY MASS SPECTROMETRY

**INSTRUMENT**
Waters Acquity SQD

**IONIZATION / MODE**
ESI, positive

**OBSERVED M/Z (CHARGE)**
712.8 · 734.8 (1+ [M+H]/[M+Na], Ipamorelin) · 1123.7 (3+ [M+3H]) · 843.0 (4+ [M+4H], CJC-1295 No DAC)

**DECONVOLUTED MASS**
3368.1 / 712.1 Da (by component)

**THEORETICAL MASS**
3367.9 / 711.9 Da (CJC-1295 No DAC / Ipamorelin)

**DIFFERENCE**
≤ +0.2 Da (per component)

**DATA FILE**
CJI_PL-2609-024_MS_20260918_01

**ACCEPTANCE**
Within ± 1.0 Da (each component)

## 6 ADDITIONAL TESTS

| TEST | PERFORMED BY | DATE | REPORT / FILE |
|---|---|---|---|
| Water content | PrymaLab | 2026-09-19 | RPT-KF-PL-2609-024 |
| Endotoxin | PrymaLab | 2026-09-20 | RPT-ET-PL-2609-024 |
| Sterility | PrymaLab | 2026-10-02 | RPT-ST-PL-2609-024 |
| Peptide content (blend assay) | PrymaLab | 2026-09-19 | RPT-AA-PL-2609-024 |

A test with no row here was not performed on this lot. Outside-laboratory reports, when used, are attached and named below.

## 7 REVIEW AND APPROVAL

**D. Reynolds**
Analyst · performed the testing
Date: 2026-09-18

**S. Calloway**
Reviewer · checked against raw data
Date: 2026-10-02

**M. Phelps**
Lab Director · approved for release
Date: 2026-10-03

Raw data retained at: Empower 3 (Build 3471), project PL-2609, archive PL-ARC-2026; 7 years. Outside laboratory reports attached: None

This certificate applies only to the lot named above and describes the units sampled from it; it is not a guarantee for any other lot. Results were obtained by PrymaLab LLC's own laboratory (PrymaLab Analytical) and are not an independent third-party test unless an outside report is attached. This copy is issued for Silverback Wellness, a distributor of the lot; the brand shown does not change the laboratory, the method or the results. Reference values (CAS, formula, theoretical mass, sequence) are literature values for the named compound. Authenticity: scan the QR code or enter certificate number PL-26-00024 and key GFEZEMLN at prymalab.net/testing/verify; any copy that does not match the record shown there is not a PrymaLab certificate. PrymaLab LLC products are supplied for laboratory research use only and not for human or veterinary use.