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CERTIFICATE OF ANALYSIS · LOT RELEASE
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CERTIFICATE NO.
**PL-26-00022**
VERIFICATION KEY
**35VCD5SL**
Scan or enter both at prymalab.net/testing/verify

CERTIFICATE OF ANALYSIS · LOT RELEASE · ISSUED FOR PEPDREAM

# CJC-1295 (no DAC) 5 mg

Lot **PL-2609-022** · Lyophilized powder · Label claim **5 mg/vial** · Distributed as **CJC-1295 (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-2609-022 | 2026-09-18 | 2026-09-19 | 2026-10-03 |

| RETEST / EXPIRY | UNITS IN LOT / SAMPLED | STORAGE | CERTIFICATE TYPE |
|---|---|---|---|
| 2028-09-18 | 250 / 2 | −20 °C, desiccated, dark | Lot COA, 2 pages |

**COMPOUND**
**CJC-1295 (no DAC)**
Modified GRF (1-29); tetrasubstituted GHRH(1–29) analogue (D-Ala2, Gln8, Ala15, Leu27)

**CAS NUMBER**
**863288-34-0**

**MOLECULAR FORMULA**
$C_{152}H_{252}N_{44}O_{42}$

**THEORETICAL MASS (AVG.)**
3367.9 Da

**SEQUENCE**
H–Y–[D–Ala]–DAIFTQSYRKVLAQLSARKLLQDILSR–$NH_2$ (29 residues; C-terminal amide)

**PURITY · RP-HPLC, AREA %**
**99.70%**
Specification 99.0% • main peak at 6.38 min

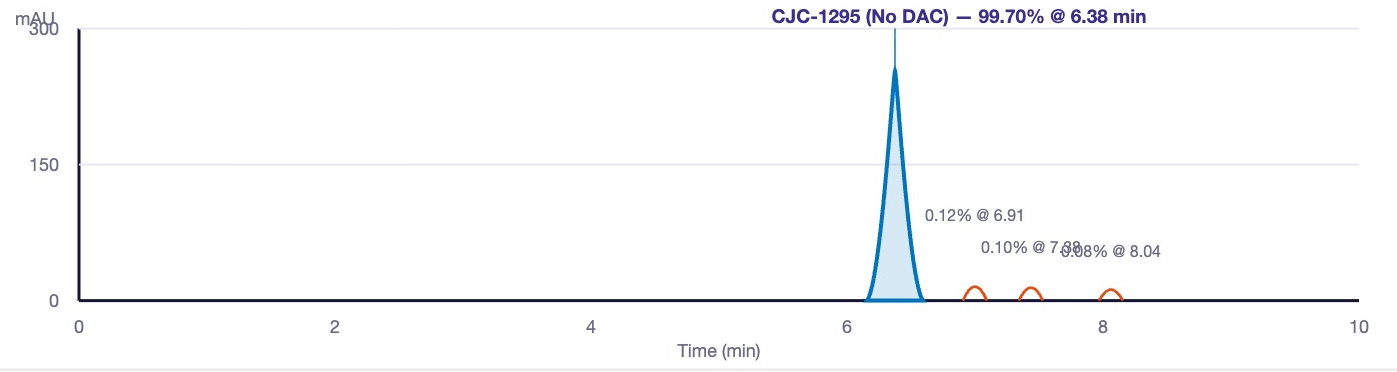
**IDENTITY · OBSERVED MASS**
**3368.1 Da**
Theoretical 3367.9 Da • +0.2 Da (59 ppm)

**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 | 3368.1 Da | PASS |
| **Purity** | RP-HPLC, UV 214 nm, area% | 99.0% | 99.70% | PASS |
| **Largest impurity** | RP-HPLC, area% | 1.0% | 0.12% at 6.91 min | PASS |
| **Water content** | Karl Fischer | 5.0% | 1.6% | 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:** CJC_PL-2609-022_20260919_01 · Column C18, 150 × 4.6 mm · UV 214 nm




Baseline uncropped; main peak 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 · CJC_PL-2609-022_20260919_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

**BLANK INJECTED**
Yes

**REFERENCE STANDARD**
In-house CJC-1295 (No DAC) reference, lot PL-RS-CJC-01, RT 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** | **6.38** | **4,287,100** | **99.70** |
| 2 | 6.91 | 5,160 | 0.12 |
| 3 | 7.38 | 4,300 | 0.10 |
| 4 | 8.04 | 3,440 | 0.08 |
| 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)**
1123.7 (3+ [M+3H]) · 843.0 (4+ [M+4H])

**DECONVOLUTED MASS**
3368.1 Da

**THEORETICAL MASS**
3367.9 Da

**DIFFERENCE**
+0.2 Da (59 ppm)

**DATA FILE**
CJC_PL-2609-022_MS_20260919_01

**ACCEPTANCE**
Within ± 1.0 Da

## 6 ADDITIONAL TESTS

| TEST | PERFORMED BY | DATE | REPORT / FILE |
|---|---|---|---|
| Water content | PrymaLab | 2026-09-20 | RPT-KF-PL-2609-022 |
| Endotoxin | PrymaLab | 2026-09-21 | RPT-ET-PL-2609-022 |
| Sterility | PrymaLab | 2026-10-02 | RPT-ST-PL-2609-022 |
| Peptide content | PrymaLab | 2026-09-20 | RPT-AA-PL-2609-022 |

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: 2026-09-19

**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 pepdream, 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-26-00022 and key 35VCD5SL 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.