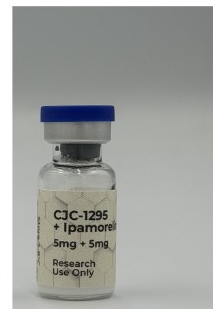




## Certificate of Analysis (CoA)

Date: 8/27/2026 Date Tested: 8/13/2026  
Customer: Peptides Optimized LLC Testing material: CJC-1295 + Ipamorelin  
Batch #: CP10-P01 BT Sample ID: 005000939117056  
Labeled Peptide 10 mg Storage: R.T.  
Content/Potency:  
Visual Description: Small clear vial: white lyophilized powder, silver crimp, blue plastic cap.  
Labeled as: CJC-1295 + Ipamorelin Manufacturer: N/A  
Testing Purpose: FTIR and HPLC analysis for the identification, purity, potency and composition of a peptide product. It additionally reports elemental impurities (heavy metals), bacterial endotoxins and sterility as recorded in this certificate. It does not provide information on particulate matter.



| Test                                 | Method             | Specification                                          | Result            | Status |
|--------------------------------------|--------------------|--------------------------------------------------------|-------------------|--------|
| General Appearance                   | Visual             | White to off-white powder                              | white powder      | PASS   |
| CJC-1295 (No DAC) — HPLC Purity      | USP <621>          | NLT 98.0 % (area normalisation)                        | 99.85 %           | PASS   |
| CJC-1295 (No DAC) — HPLC Potency     | USP <621>          | 90.0 – 110.0 % of 5 mg                                 | 4.99 mg (99.8 %)  | PASS   |
| CJC-1295 (No DAC) — Identity (LC-MS) | LC-MS (ESI)        | Observed mass within 1 Da of theoretical               | Conforms          | PASS   |
| Ipamorelin — HPLC Purity             | USP <621>          | NLT 98.0 % (area normalisation)                        | 99.64 %           | PASS   |
| Ipamorelin — HPLC Potency            | USP <621>          | 90.0 – 110.0 % of 5 mg                                 | 5.11 mg (102.2 %) | PASS   |
| Ipamorelin — Identity (LC-MS)        | LC-MS (ESI)        | Observed mass within 1 Da of theoretical               | Conforms          | PASS   |
| Heavy Metals (Elemental Impurities)  | USP <233> (ICP-MS) | Class 1 (Pb, Cd, As, Hg): NMT USP <232>/ICH Q3D limits | Complies (< LOQ)  | PASS   |

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

COA # 7826102

ACCESS CODE **EY5UPZWH8MQP**

VERIFY AT [www.genesisbiolabs.org/verify](http://www.genesisbiolabs.org/verify)

*Kenji Sato*

Kenji Sato, AS  
Laboratory Director  
Genesis Biolabs  
Signed 8/27/2026

*Min-Jun Park*

Min-Jun Park, AS  
QA Approver  
Genesis Biolabs  
Signed 8/27/2026



## Certificate of Analysis (CoA)

**Product:** CJC-1295 + Ipamorelin **Batch #:** CP10-P01 **Content:** 10 mg **Tested:** 8/13/2026

### HPLC Purity Chromatogram @ 220 nm: CJC-1295 + Ipamorelin Lot CP10-P01

**Sample Name:** CJC-1295 + Ipamorelin 10mg

**Sample ID / Lot:** CP10-P01

**Method:** PEP\_TFA\_220\_GRAD.M

**Column:** Kinetex EVO C18, 4.6 x 100 mm, 2.6 um

**Signal:** VWD1 A, 220 nm

**Mobile Phase:** A 0.1% TFA/H<sub>2</sub>O, B 0.1% TFA/MeCN (gradient)

**Injection Volume:** 10.0 uL

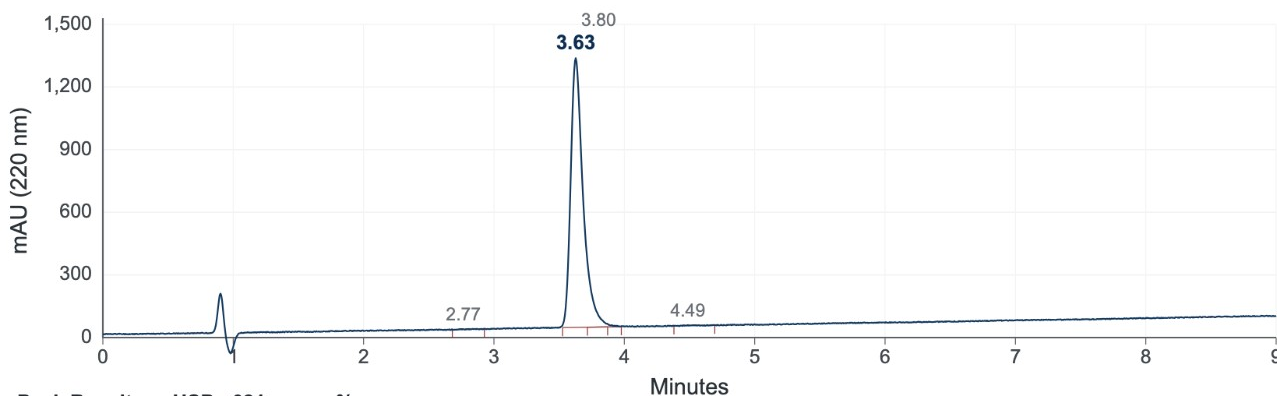
**Acquired:** 8/13/2026 12:25

**Vial:** 26 **Injection:** 1

**Operator:** A. Ivanova

**Flow:** 1.2 mL/min **Column Temp:** 30 C

**System:** HPLC-02



#### Peak Results - USP <621>, area %

| Pk           | RT (min) | Area (mAU*s) | Height (mAU) | Area %        | USP Res. | USP Tailing | USP Plates |
|--------------|----------|--------------|--------------|---------------|----------|-------------|------------|
| 1            | 2.77     | 5            | 1.0          | 0.06          | -        | -           | -          |
| 2            | 3.63     | 8,577        | 1,288        | 99.75         | 5.85     | 1.51        | 7,480      |
| 3            | 3.80     | 12           | 2.2          | 0.14          | -        | -           | -          |
| 4            | 4.49     | 4            | 0.7          | 0.05          | -        | -           | -          |
| <b>Total</b> |          | <b>8,599</b> |              | <b>100.00</b> |          |             |            |

OpenLab CDS | Processing method: USP\_PURITY\_AREAPCT | Result: main peak 99.8 % (area) | Page 1 of 1



## Certificate of Analysis (CoA)

**Product:** CJC-1295 + Ipamorelin **Batch #:** CP10-P01 **Content:** 10 mg **Tested:** 8/13/2026

### Heavy Metals Analysis (ICP-MS, USP <233>)

| Element       | Specification | Result       | Status |
|---------------|---------------|--------------|--------|
| Arsenic (As)  | NMT 1.5 ppm   | Not Detected | PASS   |
| Cadmium (Cd)  | NMT 0.5 ppm   | Not Detected | PASS   |
| Mercury (Hg)  | NMT 1.5 ppm   | Not Detected | PASS   |
| Lead (Pb)     | NMT 1 ppm     | Not Detected | PASS   |
| Chromium (Cr) | NMT 10 ppm    | Not Detected | PASS   |

Elemental impurities determined by ICP-MS. Limits are laboratory screening limits for research-use material, derived from ICH Q3D permitted daily exposures for the parenteral route.

| Test                      | Method   | Specification                | Result | Status |
|---------------------------|----------|------------------------------|--------|--------|
| Bacterial Endotoxins Test | USP <85> | NMT 40 EU/vial reconstituted | PASS   | PASS   |

*The results of the CoA relate only to the item(s) tested and applied to the sample as received.*

### Bacterial Endotoxins Test CJC-1295 + Ipamorelin Lot CP10-P01

| Sample ID | Description           | Volume (mL) | Endotoxin Limit (EU/vial) | Lysate Sensitivity (λ, EU/mL) | Result       |
|-----------|-----------------------|-------------|---------------------------|-------------------------------|--------------|
| CP10-P01  | CJC-1295 + Ipamorelin | 3           | 40 EU/vial                | 0.25                          | 0.05 EU/vial |

The sample passed a valid gel clot endotoxin test based on the type, mode of administration and dosage.

### Sterility Test

| Test      | Method   | Specification       | Result | Status |
|-----------|----------|---------------------|--------|--------|
| Sterility | USP <71> | No microbial growth | PASS   | PASS   |

| Medium                              | Incubation Temp. | Duration | Units Tested | Observation |
|-------------------------------------|------------------|----------|--------------|-------------|
| Fluid Thioglycollate Medium (FTM)   | 30 - 35 °C       | 14 days  | 2            | No growth   |
| Soybean-Casein Digest Medium (SCDM) | 20 - 25 °C       | 14 days  | 2            | No growth   |

No microbial growth was observed. The sample meets the requirements of the sterility test (USP <71>).

## Certificate of Analysis (CoA)

**Product:** CJC-1295 + Ipamorelin    **Batch #:** CP10-P01    **Content:** 10 mg    **Tested:** 8/13/2026

### Notes & Methodology

1. Peptide purity determined by RP-HPLC area normalisation at 220 nm. The value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, where detected, are excluded from the calculation.
2. Net peptide content (potency) calculated as assay content corrected for water (Karl Fischer) and counterion content, expressed as a percentage of the labelled claim.
3. Identity confirmed by FTIR against a reference standard (USP <197A>) and by chromatographic retention time comparison.
4. Elemental impurities screened by ICP-MS per USP <233> methodology. Acceptance criteria are laboratory screening limits for research-use material and do not constitute evaluation against a specific pharmacopoeial monograph.
5. Bacterial endotoxins determined by gel-clot method per USP <85>. Sterility per USP <71>.
6. The chromatogram reproduced in this certificate is representative of the batch tested.