



## Certificate of Analysis (CoA)

Date: 9/16/2026 Date Tested: 8/28/2026  
Customer: Peptides Optimized LLC Testing material: Cagrilintide  
Batch #: CGL10-Y01 BT Sample ID: 803068239870899  
Labeled Peptide 10 mg Storage: R.T.  
Content/Potency:  
Visual Description: Small clear vial: white lyophilized powder, light grey hexagon-pattern label, silver aluminum crimp, red flip-off cap.  
Labeled as: Cagrilintide 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   |
| HPLC Purity of Peptide Assay                 | USP <621>          | NLT 98.0 % (area normalisation)                                                | 99.10 %                                                            | PASS   |
| HPLC Potency Assay                           | USP <621>          | 10 mg (net peptide), 90.0 - 110.0 %                                            | 10.03 mg (100.3 %)                                                 | PASS   |
| Identity by Mass Spectrometry                | LC-MS (ESI)        | Observed mass within 1 Da of theoretical                                       | Conforms; observed mass matches Cagrilintide reference standard.   | PASS   |
| FTIR Identification and Composition Analysis | USP <197A>         | Sample spectrum should confirm the content of peptide via characteristic bands | FTIR spectrum consistent with the Cagrilintide reference standard. | PASS   |
| Heavy Metals (Elemental Impurities)          | USP <233> (ICP-MS) | Class 1 (Pb, Cd, As, Hg): meets USP <232>/ICH Q3D                              | Complies (< LOQ)                                                   | PASS   |

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

COA # 5955739

ACCESS CODE **B1DA9F11F9A7**

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GB-QSA-TR001  
Rev 1.0 July 2026



## Certificate of Analysis (CoA)

**Product:** Cagrilintide **Batch #:** CGL10-Y01 **Content:** 10 mg **Tested:** 8/28/2026

### HPLC Purity Chromatogram @ 220 nm: Cagrilintide Lot CGL10-Y01

**Sample Name:** Cagrilintide 10mg

**Sample ID / Lot:** CGL10-Y01

**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

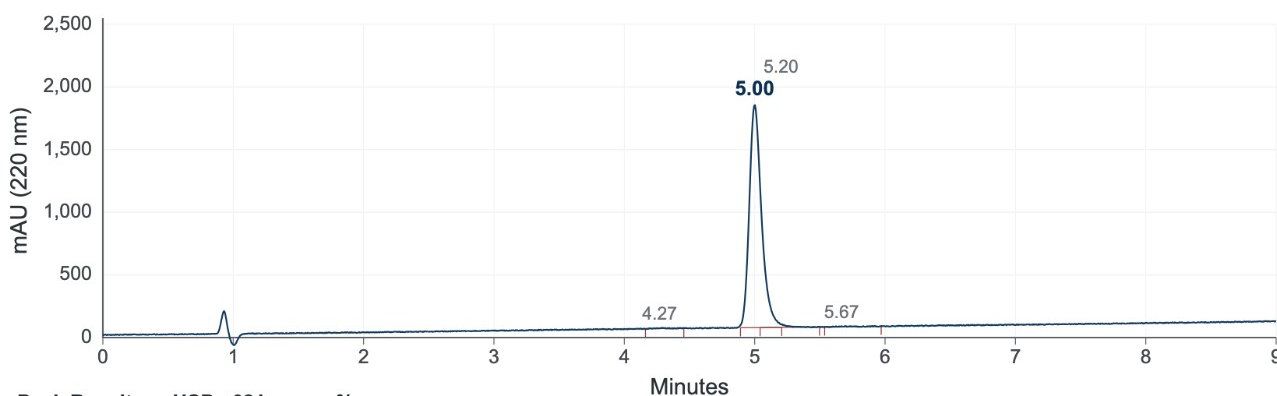
**Acquired:** 8/28/2026 09:01

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

**Operator:** S. Okafor

**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            | 4.27     | 21            | 3.4          | 0.18          | -        | -           | -          |
| 2            | 5.00     | 11,655        | 1,780        | 99.10         | 4.46     | 1.31        | 14,687     |
| 3            | 5.20     | 57            | 5.7          | 0.49          | -        | -           | -          |
| 4            | 5.67     | 27            | 2.8          | 0.23          | -        | -           | -          |
| <b>Total</b> |          | <b>11,761</b> |              | <b>100.00</b> |          |             |            |

OpenLab CDS | Processing method: USP\_PURITY\_AREAPCT | Result: main peak 99.1 % (area) | Page 1 of 1



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### 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 Cagrilintide Lot CGL10-Y01

| Sample ID | Description  | Volume (mL) | Endotoxin Limit (EU/vial) | Lysate Sensitivity ( $\lambda$ , EU/mL) | Result       |
|-----------|--------------|-------------|---------------------------|-----------------------------------------|--------------|
| CGL10-Y01 | Cagrilintide | 3           | 40 EU/vial                | 0.25                                    | 0.08 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>).

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### 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.