



PrymaLab

PRYMALAB ANALYTICAL · IN-HOUSE LABORATORY

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CERTIFICATE NO.
PL-26-00014

VERIFICATION KEY
TE4Z89DG

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

CERTIFICATE OF ANALYSIS · LOT RELEASE

Cagrilintide 2.5 mg + Semaglutide 2.5 mg

Lot PL-2609-014 · Lyophilized co-blend powder · Label claim 5 mg/vial total

TESTED IN-HOUSE BY PRYMALAB

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

LOT / BATCH NUMBER
PL-2609-014

DATE MADE
2026-09-17

DATE OF ANALYSIS
2026-09-18

DATE ISSUED
2026-10-03

RETEST / EXPIRY
2028-09-17

UNITS IN LOT / SAMPLED
250 / 2

STORAGE
-20 °C, desiccated, dark

CERTIFICATE TYPE
Lot COA, 2 pages

COMPOUND

Cagrilintide / Semaglutide Blend

Cagrilintide + Semaglutide co-lyophilized 1:1
blend

CAS NUMBER

1415456-99-3 · 910463-68-2

MOLECULAR FORMULA

$C_{194}H_{312}N_{54}O_{59}S_2$ ·
 $C_{187}H_{291}N_{45}O_{59}$

THEORETICAL MASS (AVG.)

4409.0 · 4113.6 Da
(Cagrilintide / Semaglutide)

COMPOSITION AND SEQUENCES

Cagrilintide 2.5 mg: (C20 diacid-γGlu)-KCNTATCATQRLAEFLRHSSNNFGPILPPTNVGSNTP-NH₂ (37 residues; Cys2-Cys7 disulfide; Lys1 acylated with eicosanedioic acid via γ-Glu; C-terminal amide) · **Semaglutide 2.5 mg:** H-H-Aib-EGTFTSDVSSYLEGQAAK(2×OEG-γGlu-C18 diacid)EFIAWLVRGRG-OH (31 residues; Aib8 and Arg34 in GLP-1 numbering; Lys26 acylated with octadecanedioic acid via two OEG spacers and γ-Glu; free C-terminus)

PURITY · RP-HPLC, AREA %

99.61%

Specification 99.0% (blend, sum of both component peaks)

IDENTITY · OBSERVED MASS

2 / 2

Components confirmed by LC-MS within ± 1.0 Da:
4113.8 / 4409.3 Da

OVERALL CONCLUSION

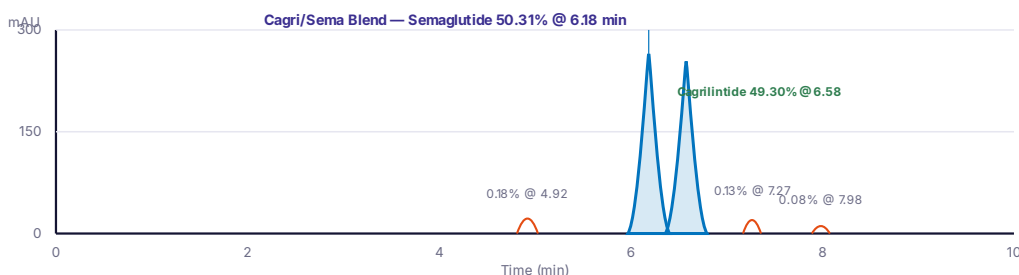
PASS

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	4113.8 Da (Semaglutide) · 4409.3 Da (Cagrilintide)	PASS
Purity	RP-HPLC, UV 214 nm, area%	99.0% (blend)	99.61%	PASS
Largest impurity	RP-HPLC, area%	1.0%	0.18% at 4.92 min	PASS
Water content	Karl Fischer	5.0%	2.1%	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: CSE_PL-2609-014_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.

**2 HPLC METHOD · CSE_PL-2609-014_20260918_01**

INSTRUMENT

Waters Alliance e2695, SN E2695B742

DETECTION WAVELENGTH

214 nm

MOBILE PHASE A

0.1% TFA in water

COLUMN TEMPERATURE

30 °C

SAMPLE DILUENT

Water, 0.1% TFA

REFERENCE STANDARD

In-house Cagrilintide/Semaglutide blend reference, lot PL-RS-CSE-01, component RTs 6.16 / 6.56 min

DATA SYSTEM

Empower 3, Build 3471

COLUMN

C18, 150 × 4.6 mm, 3.5 µm

MOBILE PHASE B

0.1% TFA in MeCN

INJECTION VOLUME

20 µL

SAMPLE CONCENTRATION

0.5 mg/mL (blend)

DETECTOR

Waters 2998 PDA

COLUMN PART / SERIAL

186003326 / USHX18211

FLOW RATE

1.0 mL/min

RUN TIME

10 min

BLANK INJECTED

Yes

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	4.92	7,740	0.18
2	6.18	2,163,330	50.31
(Semaglutide)			
3	6.58	2,119,900	49.30
(Cagrilintide)			
4	7.27	5,590	0.13
5	7.98	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)

823.9 (5+ [M+5H]) · 589.0 (7+ [M+7H],
Semaglutide) · 882.9 (5+ [M+5H]) · 735.9 (6+
[M+6H], Cagrilintide)

DECONVOLUTED MASS

4113.8 / 4409.3 Da (by component)

THEORETICAL MASS

4113.6 / 4409.0 Da (Semaglutide /
Cagrilintide)

DIFFERENCE

≤ +0.2 Da (per component)

DATA FILE

CSE_PL-2609-014_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-2609-014
Endotoxin	PrymaLab	2026-09-20	RPT-ET-PL-2609-014
Sterility	PrymaLab	2026-10-02	RPT-ST-PL-2609-014

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. Reference values (CAS, formula, theoretical mass, sequence) are literature values for the named compound. Authenticity: scan the QR code or enter certificate number PL-26-00014 and key TE4Z89DG 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.