

## CERTIFICATE OF ANALYSIS

## Cagrilintide

Long-Acting Amylin Analogue · 5mg Lyophilised

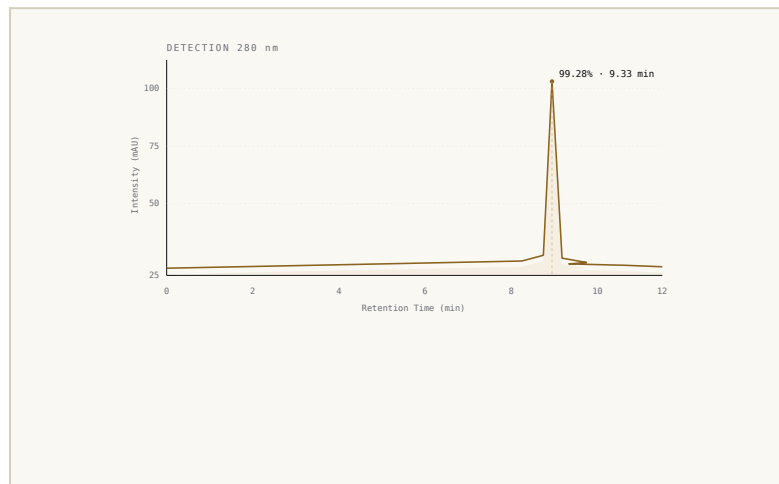
## 01 PRODUCT INFORMATION

PRODUCT	Cagrilintide	CAS NUMBER	1415456-99-3
CHEMICAL NAME	Cagrilintide (AM833)	MOL. FORMULA	C <sub>186</sub> H <sub>286</sub> N <sub>50</sub> O <sub>53</sub>
QUANTITY	5mg per vial	MOL. WEIGHT	4326.02 g/mol
BATCH / LOT	CAG250703	APPEARANCE	White lyophilised powder
MFG. DATE	03 July 2026	RETEST DATE	03 July 2028
STORAGE	2–8°C, dark, dry	INTENDED USE	Research Use Only

## 02 ANALYTICAL RESULTS

TEST ITEM	SPECIFICATION	RESULT	METHOD
Appearance	White to off-white lyophilised powder	✓ COMPLIES	Visual
Identification	Positive	✓ COMPLIES	HPLC / MS
Peptide Sequence	Correct sequence confirmed	✓ COMPLIES	Mass Spec.
Purity (HPLC)	≥ 99.0%	99.28%	RP-HPLC
Peptide Content	95.0% – 105.0%	101.2%	HPLC
Acetate Content	≤ 12.0%	6.8%	Ion Chrom.
Water Content	≤ 8.0%	2.7%	Karl Fischer
Bacterial Endotoxins	≤ 10 EU/mg	< 2 EU/mg	LAL Test
Residual Solvents	Meets USP / EP requirements	✓ COMPLIES	GC
Heavy Metals	≤ 10 ppm	< 1 ppm	ICP-MS
Sterility	Sterile	✓ COMPLIES	USP <71>
pH (Reconstituted)	4.0 – 7.0	5.7	pH Meter

## 03 HPLC CHROMATOGRAM SUMMARY



MAIN PEAK RT	9.33 min
PEAK AREA	99.28%
TOTAL IMPURITIES	0.72%
DETECTION	UV 280 nm
COLUMN	C18 reversed-phase

## 04 MASS SPECTROMETRY SUMMARY

EXPECTED MOLECULAR MASS	4326.02 Da
OBSERVED MOLECULAR MASS	4326.09 Da
MASS DEVIATION	+ 0.07 Da (within tolerance)
RESULT	✓ IDENTITY CONFIRMED

## 05 QUALITY ASSURANCE &amp; AUTHORISATION

"This batch has been manufactured and tested in accordance with internal quality control procedures and complies with all specifications listed in this Certificate of Analysis."

RELEASED

QC APPROVED

APPROVED BY

Sarah Bennett

QUALITY ASSURANCE MANAGER

SIGNATURE

S. Bennett

AUTHORISED DIGITALLY

DATE OF ISSUE

03 July 2026

ISSUED DIGITALLY

## 06 LABORATORY INFORMATION

ANALYTICAL TESTING BY

Hongbai Technology Co.

Independent third-party laboratory · HPLC · MS · ICP-MS · LAL

ISO/IEC

17025

ACCREDITED

ISSUED BY

Nexapep Ltd

DOCUMENT TYPE

Independent Third-Party CoA

EMAIL

hello@nexapep.co.uk

TEST REPORT NO.

HB-CAG250703

WEBSITE

nexapep.co.uk

SAMPLE REFERENCE

CAG250703



DOCUMENT VERIFICATION REFERENCE

NX-CAG250703-346C-12F1

Scan or visit [nexapep.co.uk/verify](https://nexapep.co.uk/verify)  
and quote this reference to confirm authenticity.