

# Certificate of Analysis

## Product Information

- Product Name:** Cagrilintide (AM833)
- CAS Number:** 2108267-06-1
- Molecular Formula:** C286H451N79O83
- Molecular Weight:** ~5733.2 g/mol
- Appearance:** White to off-white lyophilized powder

## Batch Information

- Batch / Lot Number:** CAGRI-2025-003
- Quantity:** 100mg
- Date of Manufacture:** 08-Sep-2025
- Retest Date:** 08-Sep-2027
- Storage Conditions:** -20 °C, dry and protected from light

## Analytical Results

Test	Specification	Result	Method
Identity (Mass Spectrometry)	Consistent with theoretical mass of ~5733.2 Da	5733.5 Da (M+H)+	ESI-MS
Purity (HPLC)	≥ 95.0 % (by area)	97.8 %	RP-HPLC
Sequence Confirmation	As per Cagrilintide peptide sequence	Confirmed	MS/MS
Appearance	White to off-white lyophilized powder	White powder	Visual
Solubility	Soluble in sterile water (≥1 mg/mL)	Pass	Visual
Residual Solvent (if applicable)	≤ 0.5 %	<0.1 %	GC
Water Content (Karl Fischer)	≤ 5.0 %	2.2 %	KF titration
Acetate Content	Report only	5.0 %	Ion chromatography
Peptide Content	≥70 %	72 %	Nitrogen analysis
Endotoxin	< 0.25 EU/mg	0.05 EU/mg	LAL test
Microbial Limit Test	<100 CFU/g, no pathogens	Pass	USP <61>/<62>

## Compliance Statement

The above batch of **Cagrilintide** complies with the stated specifications. This batch of **Cagrilintide** meets all specified analytical and microbiological criteria and is suitable for **research use only**. Manufactured and tested under controlled conditions to ensure consistency, purity, and integrity.