

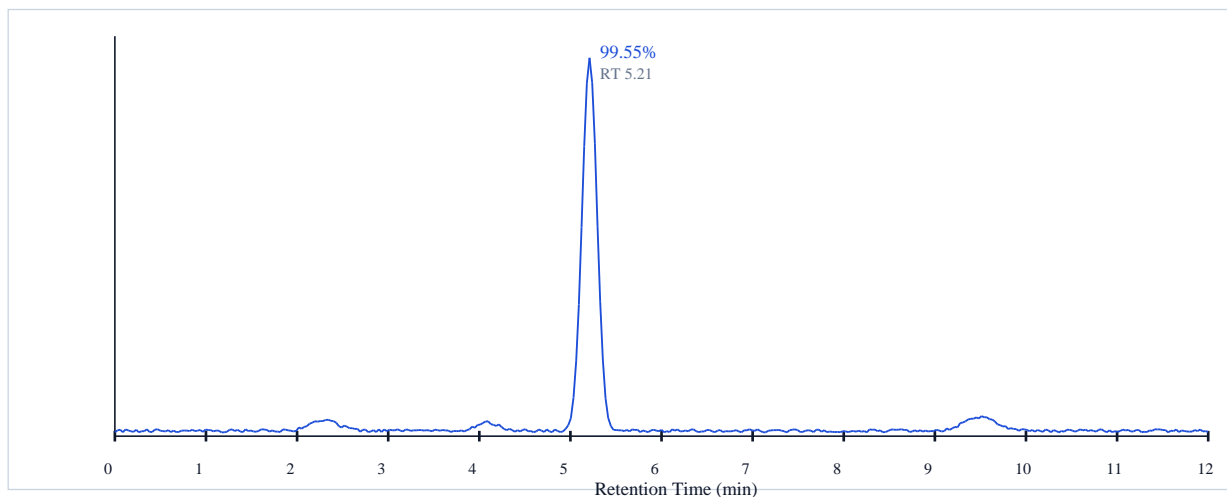
Product Name	<b>Ipamorelin</b>	Catalog No.	<b>IPA2</b>
Lot Number	<b>IPA-2406-3308</b>	Manufacture Date	<b>28 May 2026</b>
Appearance	<b>White lyophilized powder</b>	Retest Date	<b>28 May 2028</b>
Storage	<b>-20 °C, protected from light</b>	Net Quantity	<b>Per vial label</b>
Molecular Weight	<b>711.86 g/mol</b>	CAS / Identifier	<b>Research grade</b>

Sequence / Structure Aib-His-D-2-Nal-D-Phe-Lys-NH2

### Specifications & Results

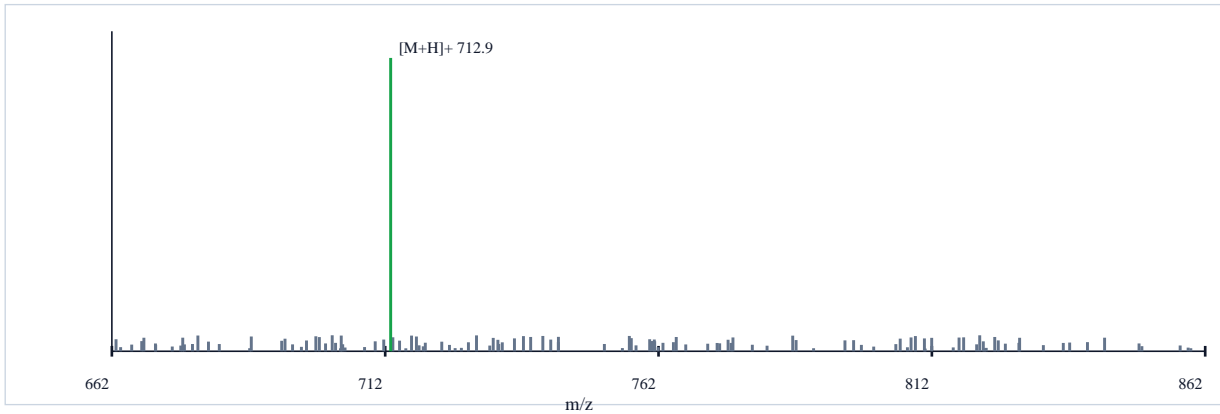
Test	Method	Specification	Result	Status
Appearance	Visual	White to off-white powder	White powder	<b>PASS</b>
Identity	RP-HPLC / UV 220 nm	Conforms to reference	Conforms	<b>PASS</b>
Identity	LC-MS (ESI+)	$[M+H]^+ = 712.9 \pm 0.5$	712.86	<b>PASS</b>
Purity (HPLC)	RP-HPLC, AUC %	$\geq 98.00 \%$	99.55 %	<b>PASS</b>
Water content	Karl Fischer	$\leq 6.0 \%$	3.55 %	<b>PASS</b>
Acetate content	Ion chromatography	$\leq 15.0 \%$	6.55 %	<b>PASS</b>
Residual solvents (TFA)	GC headspace	$\leq 1.0 \%$	< 0.5 %	<b>PASS</b>
Bacterial endotoxin	LAL kinetic	$\leq 10$ EU/mg	< 1 EU/mg	<b>PASS</b>
Bioburden	USP <61>	$\leq 100$ CFU/g	< 10 CFU/g	<b>PASS</b>

### RP-HPLC Chromatogram (UV, 220 nm)



Column: C18, 4.6 × 250 mm, 5 μm · Mobile phase A: 0.1% TFA in H<sub>2</sub>O · B: 0.1% TFA in MeCN · Gradient: 5→65% B over 12 min · Flow: 1.0 mL/min · Inj: 20 μL · Detection: 220 nm · Main peak 99.55% AUC @ RT 5.21 min

### LC-MS Confirmation (ESI+)



Instrument: Agilent 6125B single quad · Mode: ESI+ · Scan: 200–912 m/z · **Observed [M+H]<sup>+</sup> = 712.86 (theoretical 712.86)**

## Conclusion

Lot **IPA-2406-3308** of **Ipamorelin** meets or exceeds all release specifications listed above and is approved for distribution as a reference standard for laboratory research use only.

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QC Lead, Analytical Chemistry

**S. Reyes, M.Sc.**

Quality Assurance Manager

**Approved**

28 May 2026

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