

Certificate of Analysis (COA)

Product Name: Ipamorelin

Lot No.: 3132055

Sequence: Aib-Histidine-D-2-Naphthylalanine-D-Phenylalanine-Lysine-NH₂

Modifications: C-terminal amide; non-natural amino acids (Aib, D-2-Nal, D-Phe)

Storage Conditions: -20°C

Report Date: 09 June 2026

Test Results

Test Item	Specification	Result
Appearance	White to off-white lyophilized powder	Conforms
Molecular Weight (MS)	711.9 ± 1.0 Da	711.9 Da
Purity (HPLC)	>98%	99.7%
Retention Time (HPLC)	+0.2 min of standard	Conforms
Related Substances (HPLC)	≤ 0.5% each / ≤ 1.5% total	0.6%
Solubility	Freely soluble in water	Conforms
Acetic Acid Content	≤ 5000 ppm	890 ppm
TFA Content	≤ 50 ppm	7 ppm
DCM Content	≤ 50 ppm	N.D.
DMF Content	≤ 100 ppm	N.D.
E. Coli & Salmonella	Absent	N.D.
Total Aerobic Count	≤100 CFU/g	<10 CFU/g
Yeast & Molds Count	≤10 CFU/g	<10 CFU/g
Endotoxins	≤0.5 EU/mg	<0.05 EU/mg