



Anabolic Complex

Ipamorelin Certification of Analysis

Product Name	Ipamorelin	CAS No.	<u>170851-70-4</u>
Molecular	C ₃₈ H ₄₉ N ₉ O ₅	Batch No.	P190114-IPA002
Molecular Weight	768.93	Manufacturing Date	20190114
Storage	Cool dry place	Retest Date	20210114
Sequence	Aib-His-D-2-Nal-D-Phe-Lys-NH ₂		
TEST		SPECIFICATION	RESULT
1	Appearance	White powder	White powder
2	Solubility	Soluble in water or acetic acid at a to give a clear, colorless solution	Conforms
3	Identification (MS)	768.9±1.0	768.93
3	Amino Acid Composition	±10% of theoretical	Conforms
4	Peptide Purity (By HPLC)	≥98.0% by area integration	98.88%
5	Related Substance (By HPLC)	Total Impurities(%)≤2.0% Largest Single Impurity(%)≤2.0%	1.12% 0.50%
6	Acetate Content (By HPLC)	≤15.0%	11.8%
7	Water Content (Karl Fischer)	≤8.0%	4.5%
8	Bacterial Endotoxins	≤5EU/mg	Conform
9	Peptide Content (N determination)	≥80.0%	86.7%
10	Assay (By Anhydrous, Acetic Acid-free)	95.0~105.0%	98.5%