

## Certification of Analysis

<b>Product Name</b>	Sermorelin	<b>CAS No.</b>	
<b>Molecular</b>	C149H246N44O42S	<b>Batch No.</b>	P250119-LR495176
<b>Molecular Weight</b>	3358.03	<b>Manufacturing Date</b>	19.03.2025
<b>Storage</b>	Cool dry place	<b>Retest Date</b>	19.03.2025
<b>Sequence</b>	Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg- Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu- Gln-Asp-Ile-Met-Ser-Arg-NH <sub>2</sub>		
<b>TEST</b>		<b>SPECIFICATION</b>	<b>RESULT</b>
1	<b>Appearance</b>	White powder	White powder
2	<b>Solubility</b>	Soluble in water or acetic acid to give a clear, colorless solution	Conforms
3	<b>Identification (MS)</b>	3358.03 ± 1.0	3359.0
3	<b>Amino Acid Composition</b>	±10% of theoretical	Conforms
4	<b>Peptide Purity (By HPLC)</b>	≥98.0% by area integration	98.52%
5	<b>Related Substance (By HPLC)</b>	Total Impurities(%) ≤ 2.0% Largest Single Impurity(%) ≤ 2.0%	1.48% 1.16%
6	<b>Acetate Content (By HPLC)</b>	≤ 15.0%	10.3%
7	<b>Water Content (Karl Fischer)</b>	≤ 8.0%	4.0%
8	<b>Bacterial Endotoxins</b>	≤ 5 EU/mg	Conforms
9	<b>Peptide Content (N determination)</b>	≥ 80.0%	84.85%
10	<b>Assay (By Anhydrous, Acetic Acid-free)</b>	95.0 ~ 105.0%	95.15%