

Certification of Analysis

Product Name	Livagen	CAS No.	
Molecular Formula	C18H31N5O9	Batch No.	P250224-YS496988
Molecular Weight	461.46	Manufacturing Date	26.02.2025
Storage	Cool dry place	Retest Date	26.02.2025
Sequence	Lys-Glu-Asp-Ala		
TEST		SPECIFICATION	RESULT
1	Appearance	White powder	White powder
2	Solubility	Soluble in water or acetic acid to give a clear, colorless solution	Conforms
3	Identification (MS)	461.46 ± 1.0	461.66
4	Amino Acid Composition	±10% of theoretical	Conforms
5	Peptide Purity (By HPLC)	≥98.0% by area integration	98.78%
6	Related Substance (By HPLC)	Total Impurities(%)≤2.0% Largest Single Impurity(%)≤1.0%	1.22% 0.69%
7	Acetate Content (By HPLC)	≤15.0%	14.6%
8	Water Content (Karl Fischer)	≤8.0%	4.7%
9	Bacterial Endotoxins	≤5EU/mg	Conforms
10	Peptide Content (N determination)	≥80.0%	82.38%
11	Assay (By Anhydrous, Acetic Acid-free)	95.0~105.0%	101.68%