

Certification of Analysis

Product Name	TB500 Acetate	CAS No.	77591-33-4
Molecular	C212H350N56O78S	Batch No.	
Molecular Weight	4963.55	Manufacturing Date	
Storage	Cool dry place	Retest Date	191120
Sequence	Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-Lys-Phe-Asp-Lys-Ser-Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-Lys-Glu-Thr-Ile-Glu--Gln-Glu-Lys-Gln-Ala-Gly-Glu-Ser-OH		
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)	4963.55 ± 1.0	4963.55
3	Amino Acid Composition	±10% of theoretical	Conforms
4	Peptide Purity (By HPLC)	≥98.0% by area integration	98.31%
5	Related Substance (By HPLC)	Total Impurities(%) ≤ 2.0% Largest Single Impurity(%) ≤ 1.5%	1.69% 1.0%
6	Acetate Content (By HPLC)	≤ 15.0%	10.8%
7	Water Content (Karl Fischer)	≤ 8.0%	3.6%
8	Bacterial Endotoxins	≤ 5 EU/mg	Conform
9	Peptide Content (N determination)	≥ 80.0%	84.7%
10	Assay (By Anhydrous, Acetic)	95.0 ~ 105.0%	95.5%