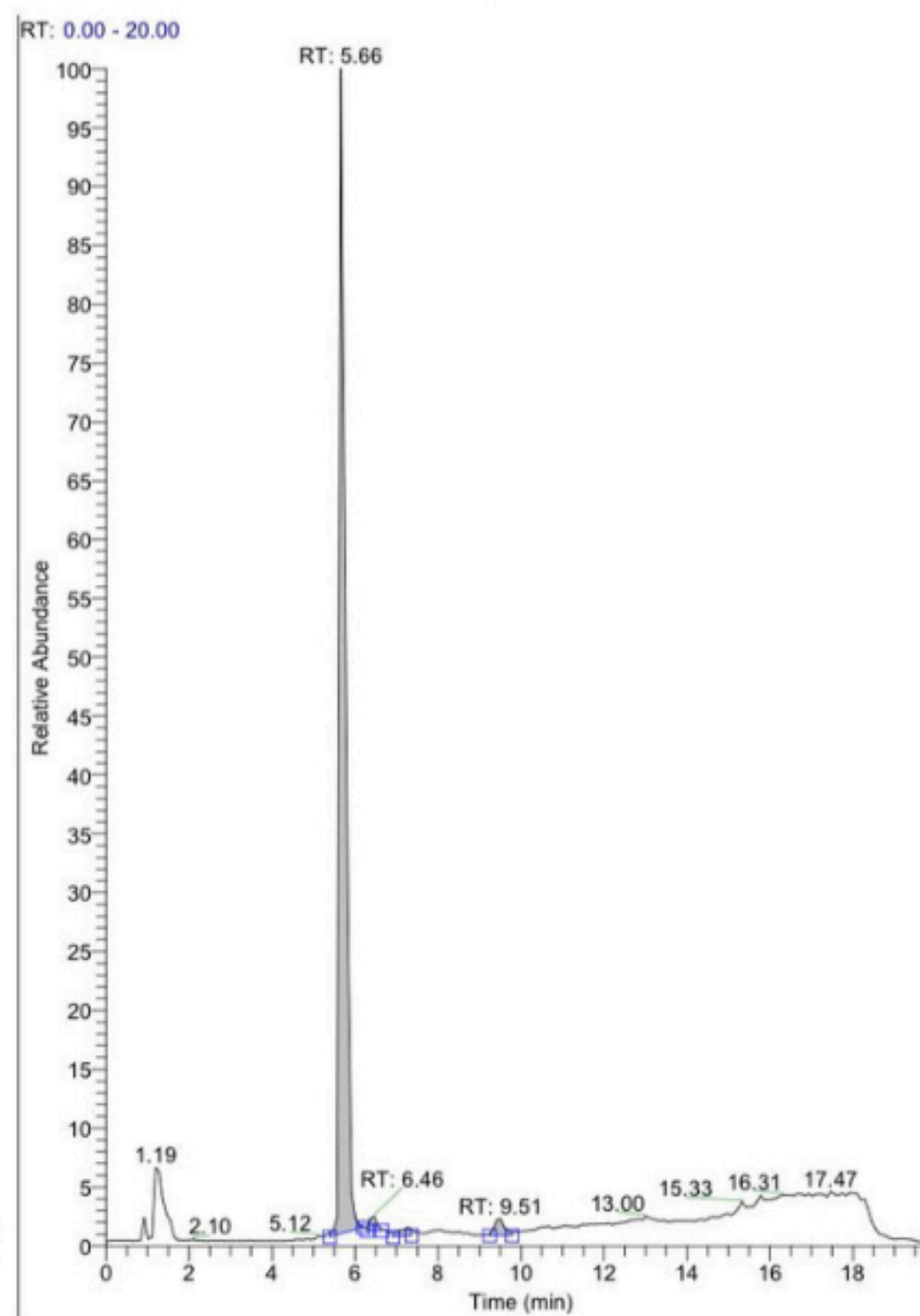
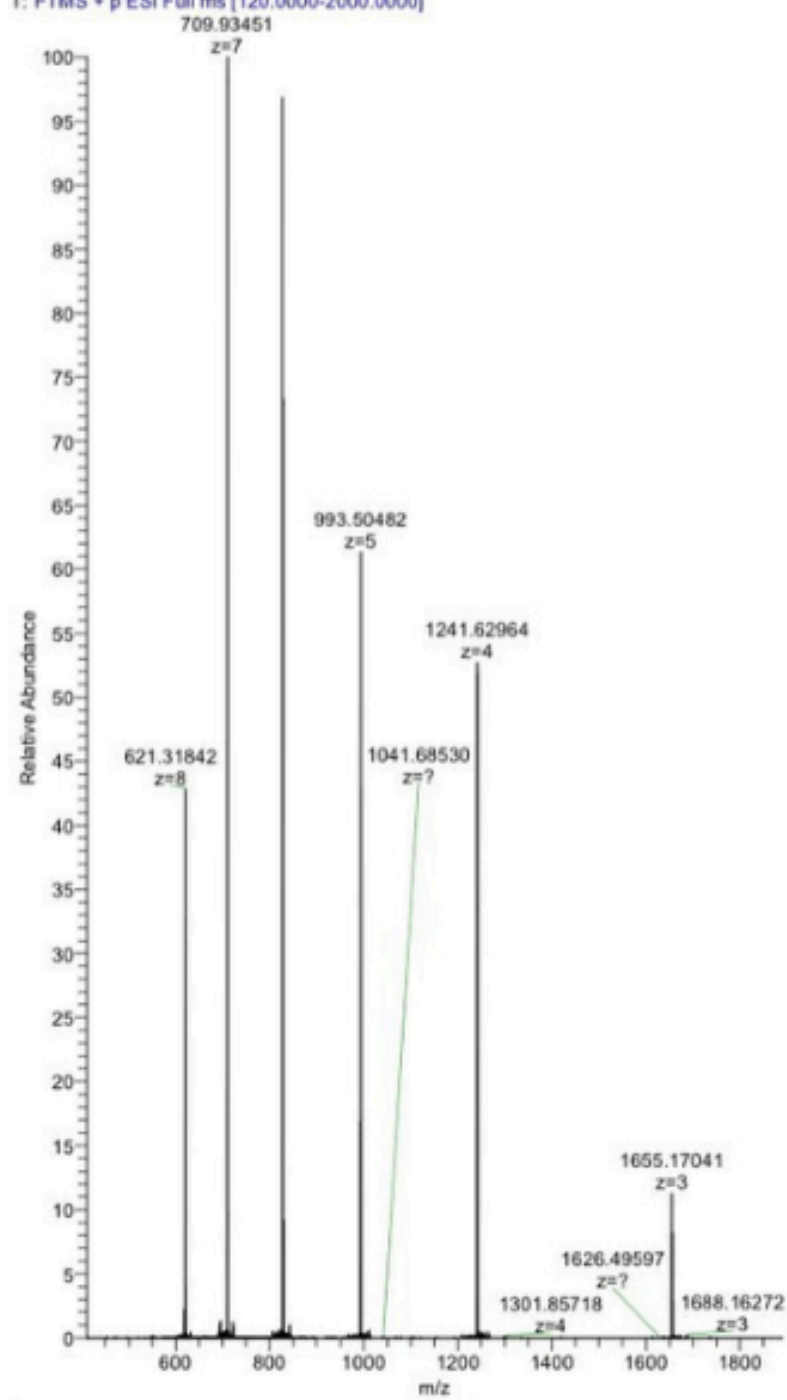


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TB

12/03/25 15:36:49

sample 9 130525

031225 4 #64 RT: 5.75 AV: 1 NL: 6.10E7
T: FTMS + p ESI Full ms [120.0000-2000.0000]



NL:
1.96E9
TIC MS
031225_4



Certificate of Analysis

Product Name	TB 500 TY-A-11010	CAS No.	77591-33-4
Molecular Formula	C ₂₁ H ₃₅ O ₅ N ₆ S	Molecular Weight	4963.51
Batch No.	P2025102211010	Quantity	832.11g
Mfgr. Date	2025-10-22	Retest Date	2027-10-22
Tests	Specification	Results	
Appearance	A white or off-white powder	White powder	
Solubility	Soluble in water(100mg/ml)	Conforms	
Monoisotopic Mass	4960.49 ± 1.0Da	Conforms	
Water Content	≤ 5.0%	2.0%	
Purity (HPLC)	≥ 98.0%	99.08%	
Related substances (HPLC)	The largest individual impurity test	≤ 1.0%	0.39%
	The total impurities test	≤ 2.0%	0.92%
Residual solvent(GC)	DCM	≤ 600ppm	N.D
	ACN	≤ 410ppm	39ppm
	MetOH	≤ 000ppm	N.D
	DMF	≤ 880ppm	N.D
Acid goup ions	TFA	≤ 0.1%	N.D
	HAC	≤ 15.0%	10.7%
Microbiological tests	Acrobic Bacterial count	≤ 100cfu/g	Confoms
	Yeast and Mould	≤ 10cfu/g	Confoms
Bacterial Endotoxins	≤ 5EU/mg		Confom
Peptide Content	≥ 80.0%		86.5%
Conclusion: Complies with the manufacturer's standard.			

Quality Control by :	2025-10-22
Quality Assured by:	2025-10-22