



<b>Product Name</b>	TB-500	<b>CAS #</b>	77591-33-4
<b>Molecular Formula</b>	C <sub>212</sub> H <sub>40</sub> N <sub>56</sub> O <sub>78</sub> S	<b>Molecular Weight</b>	4963.44
<b>Batch #</b>	TH2304001	<b>Date of Mfg</b>	2023-05-13
<b>Reference Standard</b>	Enterprise Standard	<b>Retest Date</b>	2025-05-12
<b>Storage</b>	In an airtight container, protected from light, at a temp of 2C to 8C		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content (Karl Fischer)	≤ 8.0%	5.90%
Sodium ion	≤ 5.0%	3.20%
Trifluoroacetic Acid	≤ 0.5%	Not Detected
Peptide Purity (By HPLC)	≥ 98.0%	99.66%
Related Substance (By HPLC)	Total Impurities (%) ≤ 2.0%	0.34%
	Largest Single Impurity (%) ≤ 1.0%	0.26%
Bacterial Endotoxins	≤ 10EU/mg	Conform
Assay	≥ 90.0%	100.68%
Residual Solvents	Acetonitrile: NMT 410ppm	370ppm
	Dichloromethane: NMT 600ppm	Not Detected
	DMF: NMT 880ppm	230ppm

<b>Conclusion</b>	This batch conforms with enterprise standards and qualified
<b>Test Performed By</b>	Michael P
<b>Test Date</b>	5/18/23