

PRODUCT INFORMATION

Product Name	TB-500 (Thymosin Beta-4 Fragment)	Lot / Batch No.	PCL-2025-TB5-013
Compound	Thymosin Beta-4 Fragment / TB4-Frag (Ac-SDKP)	Manufacture Date	Q4 2025
Strength / Fill	10 mg / vial	Retest / Expiry	24 months from manufacture
Form	Lyophilized Powder	Storage Condition	-20 °C, protect from light and moisture

ANALYTICAL SUMMARY

Test Item	Specification	Result	Status
Appearance	White lyophilized powder	Conforms	PASS
Identification	LC-MS Confirmed	Confirmed	PASS
Assay (Purity)	≥ 98.0%	99.0%	PASS
Peptide Content	Report value	10.79 mg	PASS
Water Content (KF)	≤ 8.0%	5.5%	PASS
Acetic Acid Content	≤ 15.0%	8.7%	PASS
Related Substances	Total Impurities ≤ 2.0%	1.0%	PASS
Bacterial Endotoxins	< 2 EU/mg	< 2 EU/mg	PASS

METHODS / REFERENCE

Purity and identification by RP-HPLC and ESI-MS. Water content by Karl Fischer. Acetic acid by ion chromatography. Bacterial endotoxins by LAL assay.

QUALITY STATEMENT

Based on the source documentation reviewed, this lot of TB-500 appears to conform to the listed specifications for all parameters shown above.

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