

PRODUCT INFORMATION

Product Name	Thymosin Alpha-1	Batch Number	PB20260417
CAS Number	62304-98-7	Test Method	HPLC / MS
Molecular Weight	3108.4 Da	Overall Status	PASS

TEST RESULTS

Test Item	Specification	Result	Status
Appearance	White to off-white lyophilized powder	White lyophilized powder	PASS
Purity (HPLC)	"e 98.0 %	99.3%	PASS
Molecular Weight (MS)	3108.4 Da $\pm$ 0.1 Da	3108.4 Da (confirmed)	PASS
Amino Acid Composition	Conforms to theoretical sequence	Conforms	PASS
Single Impurity	"d 1.0 %	< 0.5%	PASS
Total Impurities	"d 2.0 %	< 1.0%	PASS
Water Content (KF)	"d 8.0 %	4.2%	PASS
Residue on Ignition	"d 1.0 %	0.3%	PASS
Mass Spectrometry (ESI-MS)	Conforms to theoretical MW	Conforms	PASS

STORAGE & HANDLING

Storage Condition:	-20°C, protected from light and moisture. Keep in sealed container.
Shelf Life:	24 months from date of manufacture when stored as directed.

CONCLUSION: This batch meets all specified quality requirements and is APPROVED for release.

FOR RESEARCH USE ONLY — NOT FOR HUMAN OR VETERINARY USE

This product is intended solely for in vitro research and laboratory use. Not approved for therapeutic or diagnostic applications.