

CERTIFICATE OF ANALYSIS

Product Name	Thymosin β 4
CAS No.	77591-33-4
Molecular Formula	C212H350N56O78S
Molecular Weight	4963.44
Batch No.	XR25081603-1
Date of Mfg	August 16, 2025
Reference Standard	Enterprise Standard
Retest Date	August 15, 2027
Storage	Place in an airtight container protected from light and keep the temperature between 2°C and 8°C

TEST	SPECIFICATION	RESULT
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content	$\leq 8.0\%$	4.30%
Acetic Acid	$\leq 5.0\%$	1.12%
Trifluoroacetic Acid	$\leq 0.5\%$	Not Detected
Peptide Purity	$\geq 98.0\%$	99.29%
Total Impurities	$\leq 2.0\%$	0.60%
Largest Single Impurity	$\leq 1.0\%$	0.22%
Assay	$\geq 90.0\%$	94.22%
Bacterial Endotoxins	≤ 10 EU/mg	Conform

Note: This product is for research or production use only. Not for direct human use.