

CERTIFICATE OF ANALYSIS

Product Name Thymosin β 4
CAS No. 77591-33-4
Molecular Formula C212H350N56O78S
Molecular Weight 4963.44
Batch No. XR24091301-1
Date of Mfg Feb 13, 2025
Reference Standard Enterprise Standard
Retest Date Feb 12, 2027

TEST	SPECIFICATION	RESULT
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content	$\leq 8.0\%$	4.40%
Acetic Acid	$\leq 5\%$	1.15%
Trifluoroacetic Acid	$\leq 0.5\%$	Not Detected
Peptide Purity	$\geq 98.0\%$	99.39%
Related Substance	Total Impurities(%) $\leq 2.0\%$	Total Impurities: 0.61%
	Largest Single Impurity(%) $\leq 1.0\%$	Largest Single Impurity: 0.22%
Assay	$\geq 90.0\%$	94.24%
Bacterial Endotoxins	$\leq 10\text{EU/mg}$	Conform

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