



Sichuan Taihui Biotechnology Co., Ltd.

Certificate of Analysis

Product Name	Thymosin β 4	CAS No.	77591-33-4
Molecular Formula	C212H350N56O78S	Molecular Weight	4963.44
Batch No.	XR23120301-1	Date of Mfg	Jan 03,2024
Reference Standard	Enterprise Standard	Retest Date	Jan 02,2026
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 (Karl Fischer)	$\leq 8.0\%$	4.40%	
Acetic Acid (By HPLC)	$\leq 5\%$	1.15%	
Trifluoroacetic Acid	$\leq 0.5\%$	Not Detected	
Peptide Purity (By HPLC)	$\geq 98.0\%$	99.39%	
Related Substance (By HPLC)	Total Impurities($\%$) $\leq 2.0\%$	0.61%	
	Largest Single Impurity($\%$) $\leq 1.0\%$	0.22%	
Assay	$\geq 90.0\%$	94.24%	
Bacterial Endotoxins	$\leq 10\text{EU/mg}$	Conform	
Conclusion	This batch meets the internal standards of the enterprise and is qualified.		

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

Analyst: Pu mingyue

Approved by: Ding wenzhen

