

## Certificate of Analysis

<b>Product Name</b>	Thymosin Alpha-1	<b>Quantity</b>	1g
<b>Lot No.</b>	6021-251129-01	<b>CAS No.</b>	62304-98-7
<b>Molecular Weight</b>	3108.28	<b>Manufacturing Date</b>	11/05/2025
<b>Molecular Formula</b>	$C_{129}H_{215}N_{33}O_{55}$	<b>Retest Date</b>	11/04/2027
<b>Inspection standard</b>	Enterprise internal control standard STP-QS-6021	<b>Storage</b>	Keep in dark and cool dry place
<b>Test</b>	<b>Specification</b>	<b>Result</b>	
<b>Appearance</b>	White to off-white powder	Complies	
<b>Identity by MS</b>	Theoretical MW: 3108.28	Complies	
<b>Purity (HPLC)</b>	$\geq 98.0\%$	98.49%	
<b>Peptide Content(By N)</b>	$\geq 80.0\%$	93.08%	
<b>Water (K.F.)</b>	$\leq 7.0\%$	3.2%	
<b>Trifluoroacetic acid content</b>	$\leq 1.0\%$	N.D	
<b>Solubility</b>		5mg/ml (H <sub>2</sub> O)	
<b>Conclusion</b>	This product is tested according to the enterprise internal control standard STP-QS-6021, and all the above items meet the requirements.		
<b>Remark</b>	It is only supplied as chemical product		

QC: lin qi

QA: qian xu