

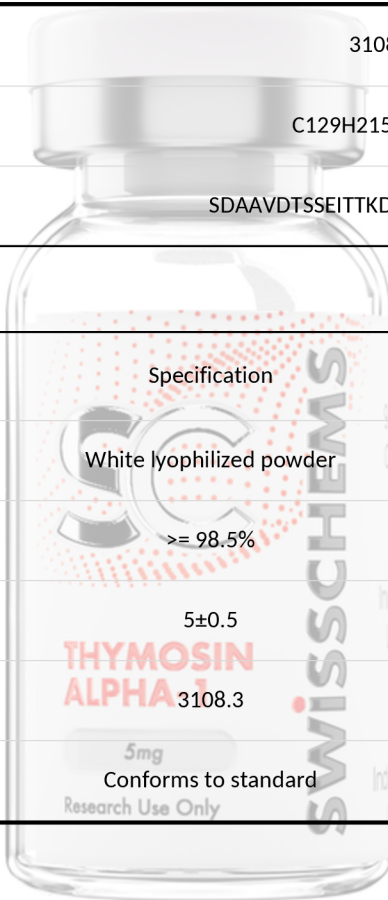
CERTIFICATE OF ANALYSIS

Tested By A US-Certified Laboratory

Sample Name: Thymosin Alpha 1
Analysis Equipment: LCMSMS-UV (Qtof positive ESI)

Sampling Date: 05/10/2026
Report Date: 05/18/2025

Molecular weight	3108.3	
Molecular formula	C129H215N33O55	
Sequence	SDAAVDTSSSEITTKDLKEKKEVVEEAEN	
Test Request	Specification	Result
Appearance	White lyophilized powder	Complies
Peptide Purity by LC (%)	$\geq 98.5\%$	98.60%
Peptide potency (mg/vial)	5±0.5	4.88
Identification by LCMSMS	3108.3	3108.51
Conclusions	Conforms to standard	Complies



J. Min

QC Director

Al. Chemis

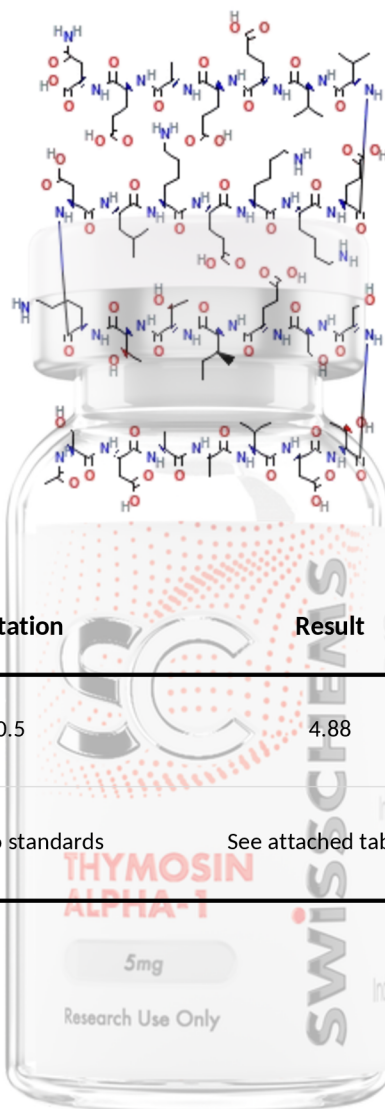
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Test	Expectation	Result	Result
Potency (mg/vial)	5±0.5	4.88	HPLC-UV-MS
Identification	Conform to standards	See attached table 1.	LC-MS/MS- positive

J. Nii

QC Director

Al. Chemis

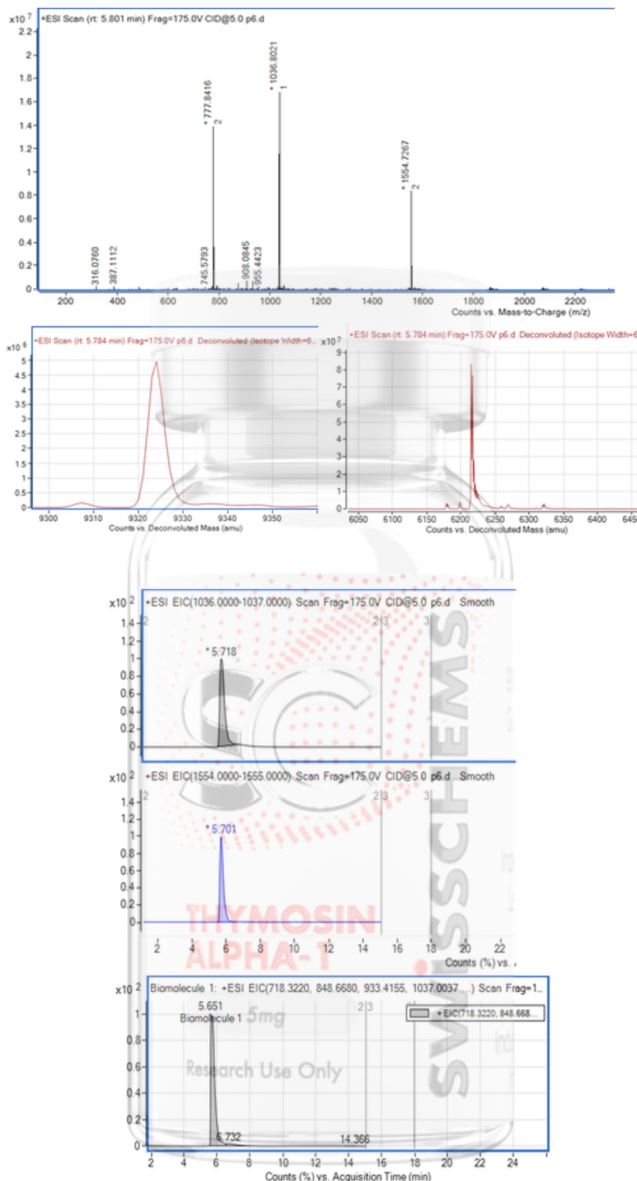
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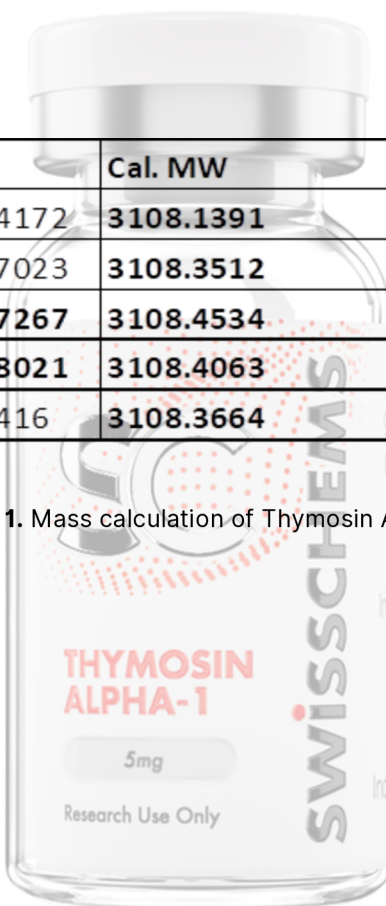
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	m/z	Cal. MW	H+
3M	9324.4172	3108.1391	0
2M	6216.7023	3108.3512	0
[M+2H] ²⁺	1554.7267	3108.4534	2
[M+3H] ³⁺	1036.8021	3108.4063	3
[M+4H] ⁴⁺	777.8416	3108.3664	4

Table 1. Mass calculation of Thymosin Alpha 1



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