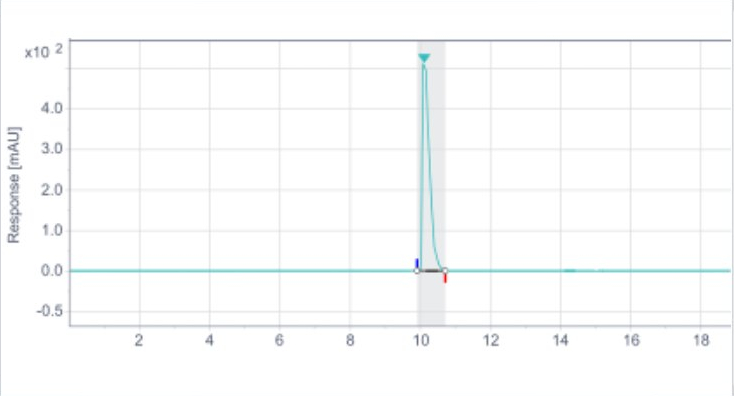
PacifiCOAnalytics
INDEPENDENT LABORATORY · BRITISH COLUMBIA

Certificate of Analysis
Analytical Testing Report

REPORT ID: PCA-2026-914659
SMP-2026-9D8378
GENERATED: November 6, 2026

SAMPLE IDENTIFICATION

Peptide:	**THYMOSIN ALPHA-1 20**	Date Requested:	**October 28, 2026**
Client:	**Peptide Confidential**	Date Received in Lab:	**October 29, 2026**
Vendor:	**Not Specified**	Date Tested:	**November 2, 2026**
Lot Number:	**TA5DA-1006-102826**	Date Reported:	**November 6, 2026**
Batch Number:	**Not Specified**		



EXPECTED CONTENT
5 mg

MASS
5.13 mg

PURITY
99.64%

FILL ACCURACY
102.6%





Appearance	White lyophilized powder
Cap Color	Blue

ANALYTICAL RESULTS

	TEST	METHOD	RESULT	STATUS
1	**Peptide Identity**	FTIR-ATR	Sample infrared spectrum consistent with reference standard with excipients	CONFORMS
2	**Purity**	RP-HPLC-DAD	Main Peak 99.64% RT 10.08 min	CONFORMS
3	**Net Content**	RP-HPLC-DAD	5.13 mg net content quantified using calibrated HPLC against characterized standard	CONFORMS
4	**Orthogonal Verification**	CE-UV	Migration time and spectrum consistent with reference standard	CONFORMS
5	**Endotoxin**	LAL Gel Clot	Not tested per customer order	NOT TESTED
6	**Heavy Metals**	Colorimetric Screening	Not tested per customer order	NOT TESTED

NOTES

RP-HPLC-DAD Agilent AdvanceBio Peptide Mapping 4.6 x 150, 2.7 µm A: 0.1% FA in H2O B: 0.1% FA in ACN 1.0 mL/min 5-35% B @ 40 C Full Spectrum of Main Peak

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