

Certificate of Analysis

Analytical Testing Report · Thymosin Alpha-1

SAMPLE IDENTIFICATION

Analyte †	Thymosin Alpha-1	Date requested	—
Client	Pure North Peptides	Date received	4 Sep 2026
Vendor / brand †	purenorthpeptides.com	Date tested	9 Sep 2026
Lot number †	PNP-TA1-2619	Date reported	12 Sep 2026
Molecular formula	C129H215N33O55	Sample ID	SAMPLE-TA1-091226
Theoretical mass	3108.28 g/mol	Quantity received †	One sealed vial, lyophilized
Condition on receipt	Intact and sealed on arrival, label legible.		

Chemical reference · Thymalfasin (Thymosin alpha-1) · CAS 62304-98-7. N-acetylated free peptide reference; average molar mass excludes counter-ions and water. Source: [MedChemExpress, Thymalfasin](#).

† Client-declared information. Results apply to the sample tested. Full reporting statements accompany the online verification record.

HPLC-UV PURITY & CONTENT ANALYSIS

METHOD · RP-HPLC-UV 220 NM · SPEC ≥ 98.0%

Expected content † LABEL CLAIM	10.00 mg
Mass SAMPLE AS RECEIVED	9.94 mg
Purity HPLC AREA PURITY	98.91%
Fill accuracy MASS OVER LABEL CLAIM	99.4%

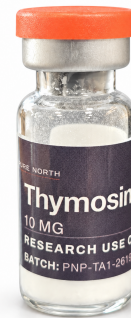


Fig. 1 · Product photograph

PURITY CONFORMS

Client-supplied specification ≥ 98.0% for area purity: this sample meets that specification. Simple acceptance; no guard band. Applies to this specification only.

APPEARANCE

Appearance	White lyophilized powder
Cap colour	Orange

DETECTION 220 nm	COLUMN C18, 4.6 x 150 mm, 5 µm	MOBILE PHASE Water / acetonitrile, 0.1% TFA	GRADIENT 5 to 65% B over 20 min
FLOW RATE 1.0 mL/min	INJECTION 20 µL	RUN TIME 25 min	INTEGRATION Area % of total response

Content calibrated against Thymosin Alpha-1 working standard, qualified in house. Calculation basis: As received, uncorrected for water and counter-ion content.

AUTHORISATION

CONTROLLED CERTIFICATE RECORD

Canada Peptide Testing
RECORD ENTRY

Canada Peptide Testing
CERTIFICATE RELEASE
2026-09-15

Verify this certificate

Scan for the current certificate, signed results and reporting statements.

canadapeptidetesting.com/certificates/CPT-TA1-10-091226

Record ce5e0355ddce0c6d38dd877f · signing key k1

Verification key P596KHRQYHJ2



SCAN TO VERIFY