



CERTIFICATE OF ANALYSIS

PURITY METRIC 99.582%	NET ACTIVE MASS 10.48 mg	BATCH/LOT TAG ALPRT1001	OVERALL STATUS PASS
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✓ IDENTITY CONFIRMED	✓ HIGH PURITY PASS	✓ STERILITY CHECKED	✓ ENDOTOXINS COMPLIANT
✓ HEAVY METALS CLEAR			

Client Name: Alphamino	Report Unique ID: VS-2026-90167
Sample Name: TA-1 (Thymosin Alpha-1) 10mg	Sample Receipt: 03 JUN '26
Physical Form: Lyophilized Solid Matrix	Release Date: 10 JUN '26

1. PRIMARY CHROMATOGRAPHIC & MASS SPECTROMETRY METRICS

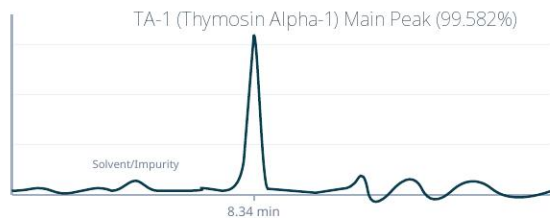
ANALYTICAL TEST PARAMETER	METHODOLOGY / SYSTEM	THRESHOLD SPECIFICATION	OBSERVED ASSAY METRIC	STATUS
Chemical Purity Profile	HPLC-UV (214 nm)	≥ 95.0%	99.582%	PASS
Structural Identity Alignment	LC-MS (ESI-Quadrupole)	Conforms to Molecular Standard	Matches Molecular Signature	PASS
Net Target Peptide Content	High-Precision Gravimetric	Report Mass Metrics Only	10.48 mg / vial	INFO

2. QUANTITATIVE TOXICOLOGY & IMPURITY PROFILING

CONTAMINANT ANALYTE	METHODOLOGY / SYSTEM	SAFETY THRESHOLD LIMIT	OBSERVED LAB METRIC	STATUS
Bacterial Endotoxins	LAL Kinetic Chromogenic	< 5.00 EU/mg	0.075 EU/mg	PASS
• Lead (Pb)	ICP-MS	< 0.50 ppm	Not Detected (< 0.01)	PASS
• Arsenic (As)	ICP-MS	< 1.50 ppm	Not Detected (< 0.01)	PASS
• Cadmium (Cd)	ICP-MS	< 0.50 ppm	Not Detected (< 0.01)	PASS
• Mercury (Hg)	ICP-MS	< 0.20 ppm	Not Detected (< 0.005)	PASS

3. ANALYTICAL CHROMATOGRAMS & RECEIPT RECORDS

HPLC SPECTRAL PEAK INTEGRATION TRACE	CHAIN OF CUSTODY SAMPLE VERIFICATION



Secured Reception Profile

Certified Analysis Statement: Analytical metrics provided on this certificate correspond solely to the sample provided to the laboratory. Quantitative testing profiles are executed following stringent ISO/IEC 17025 standard protocol validations. This document cannot be modified or distributed in partial slices without express written authorization.

Tamper-Proof Audit Node: Verify ledger record authenticity seamlessly at: verifiedsciences.com/verify/VS-2026-90167

Cryptographic Checksum Hash: **M1UZEXKV3CBW-VS90167**

Dr. Greg Kalyuzhny

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