

PRODUCT Thymosin Alpha-1
LOT NUMBER PBL-24158
TESTING LABORATORY Aegis Bioanalytical Laboratories - independent
ACCREDITATION ISO/IEC 17025 · San Diego, CA
MFG / EXPIRY Jun 20, 2026 / Jun 19, 2028
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REPORT ID **AEG-0FFBK1W** Verify authenticity at localhost:3060/verify

METHODS RP-HPLC - purity · ESI-MS - identity · ICP-MS - heavy metals · LAL - endotoxin

TEST RESULTS

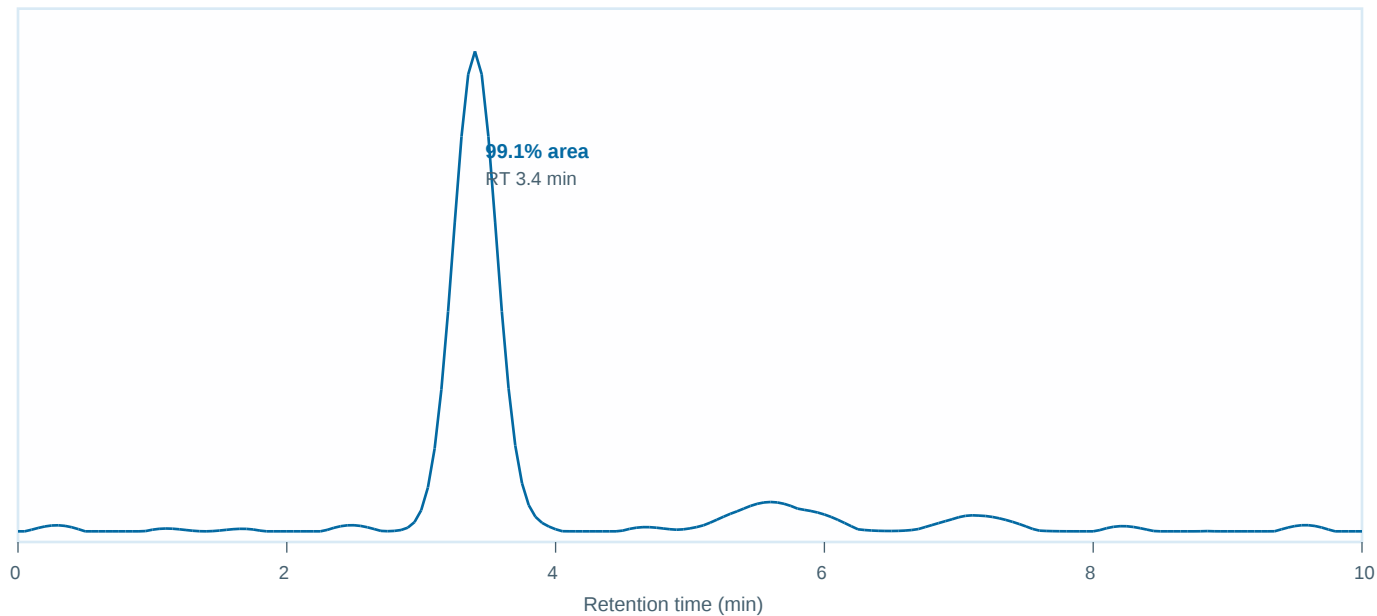
TEST	RESULT	SPECIFICATION	STATUS
Appearance	White lyophilized powder	Conforms	PASS
Identity - ESI-MS	3108.3 g/mol (found)	3108.3 g/mol (theoretical)	PASS
Purity - RP-HPLC	99.1%	>= 99.0%	PASS
Net peptide content	92%	>= 80%	PASS
Single impurity (max)	0.17%	<= 1.0%	PASS
Water content (Karl Fischer)	2.2%	<= 8.0%	PASS
Acetate content	7.5%	<= 15%	PASS
Heavy metals (ICP-MS)	Pb/As/Cd/Hg < 1 ppm	<= 10 ppm	PASS
Bacterial endotoxin (LAL)	< 3.5 EU/mg	<= 10 EU/mg	PASS
Bioburden	Not detected	< 10 CFU/vial	PASS

Authorized signatory, Quality Assurance
Aegis Bioanalytical · Analytical Services

RP-HPLC CHROMATOGRAM

Column: C18, 4.6 x 150 mm, 3.5 μ m · Gradient 0.1% TFA / acetonitrile · Detection 214 nm

Response (mAU)



PEAK INTEGRATION

Main peak (target)

RT 3.4 min · 99.1% area

Related substances

< 1.0% total · largest single < 0.5%

ESI-MS identity

3108.3 g/mol (found) vs 3108.3 g/mol (theoretical)