

Client: Irontide Labs (formerly Peptora)
 help@irontidelabs.com
 855-811-0112

Sample received: **03/23/26**
 Analysis conducted: **04/08/26**

Compound:	Thymosin Alpha-1	CAS:	62304-98-7
Batch/Lot #:	INTA5031826	Formula:	C129H215N33O55
Appearance:	White lyophilized powder	Mol Wt:	3108.3 g/mol

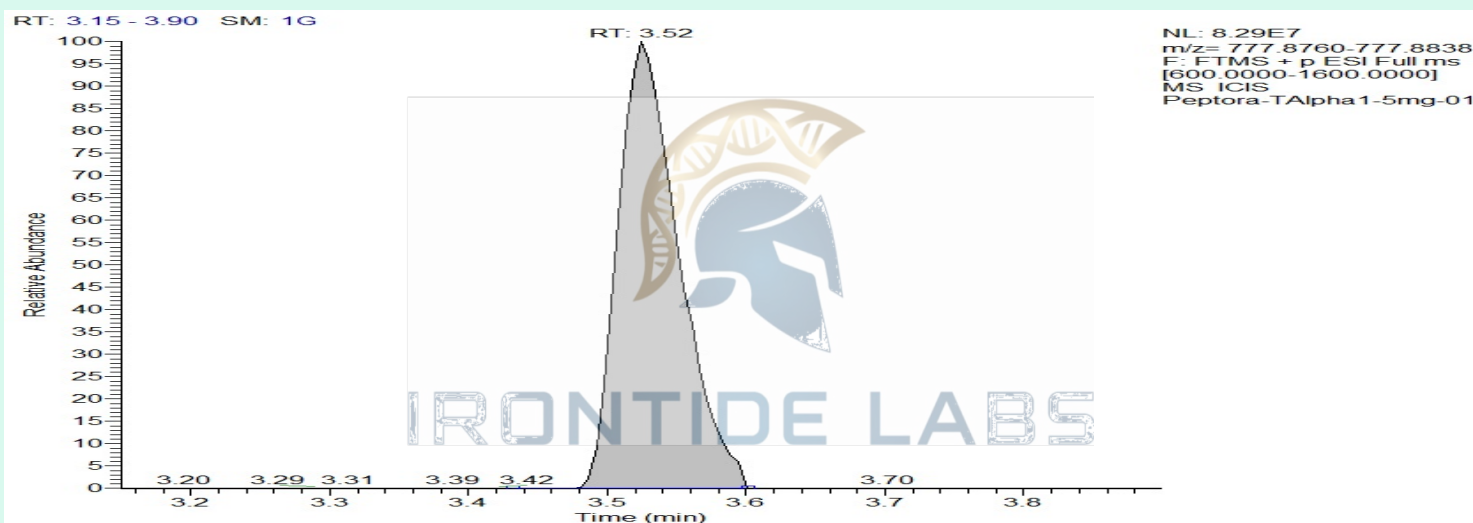
Method: Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

Pubchem CID: 16130571

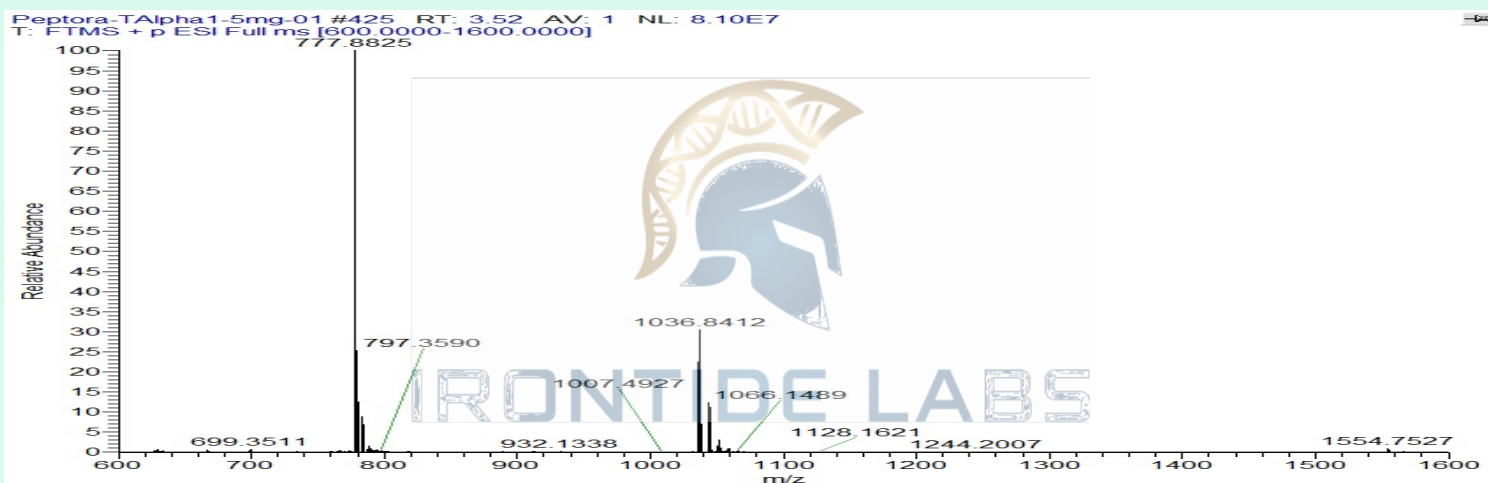
Thymosin Alpha-1 | C129H215N33O55 | CID 16130571

	Specification	Result	
Identity Test:	Thymosin Alpha-1	Thymosin Alpha-1	Conforms
Quantity:	5 mg	5.2 mg	Conforms
Purity:	>99%	99.62%	Conforms

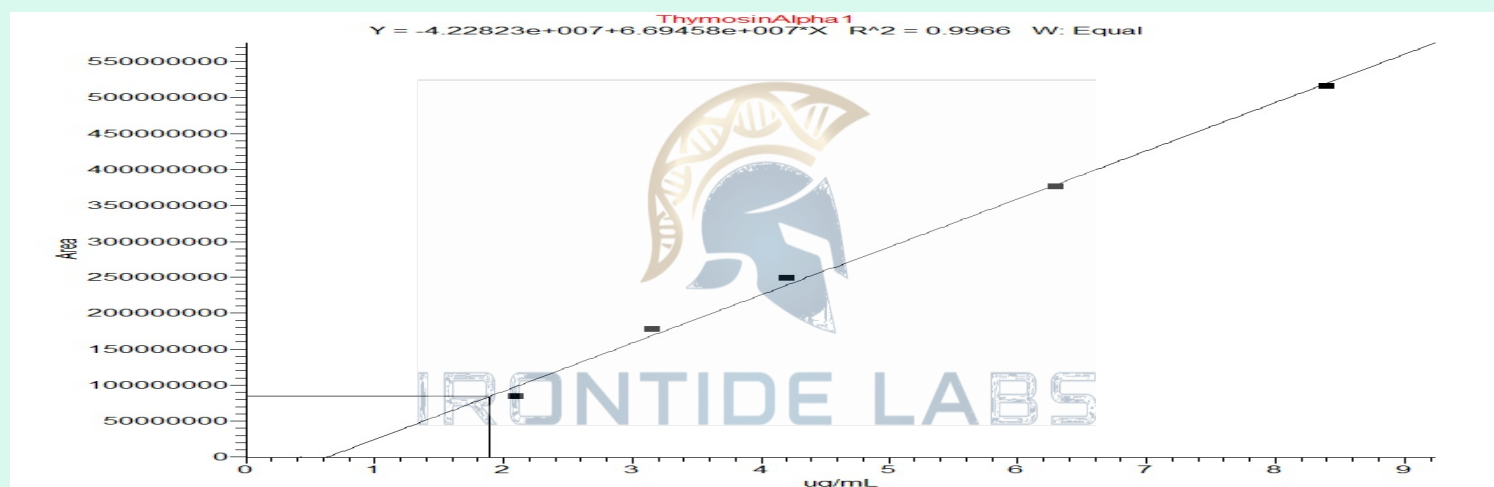
LC-MS Chromatogram: Retention Time and Peak Analysis



Full Scan Mass Spectrometry Analysis



Calibration Curve



Analysis Performed by

Dr. Roberto Marin
Analytical Chemist
contact@bioregen.com

Roberto Marin

COA #12781
Security Key IRONTIDE01
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IRONTIDE LABS



Limulus Amebocyte Lysate (LAL) – Report of Analysis

Test Performed	Endosafe - PTS LAL Assay
Test Date	04/16/2026
Analyst	VICTOR
Instrument	Endosafe® nexgen-PTS™ (SN: 25201216)

Sample Information

Company Name	Irontide Labs (formerly Peptora)
Sample Tested	Thymosin Alpha-1
Sample Lot Number	INTA5031826
Sample Concentration	5mg
Vials/Units Received	1

Reagent Information

Cartridge Type	Endotoxin- LAL (Charles River)
Cartridge Lot #	2602741388
Cartridge Calibration Code	518334799106
Detection Range	0.05 EU/mL – 5.0 EU/mL
Spike Value	1.18 EU/mL
Spike Recovery	106% (Pass)
Test Suitability	Pass

Endotoxin Quantitation Results

Sample ID	Replicates	Measured EU/mL	Specification	Pass/Fail
Thymosin Alpha-1	1, 2	<0.05 EU/mL	≤ 0.50 EU/mL	Pass

Interpretation:

Endotoxin level in **Thymosin Alpha-1** was measured using chromogenic LAL assay with detection at 405 nm. The result of **<0.05 EU/mL** indicates that the endotoxin content is **below** the acceptable threshold of 0.5 EU/mL. Sample **PASSES** the endotoxin limit test.

Analyst Signature: _____

Date: 04/16/2026

To verify the authenticity of this report, please contact **BioRegen** at contact@bioregen.com or reference the **Report ID** and **Validation Key** provided above.

Alternatively, **scan the QR code** below to access the official record on our website.

