TEST REPORT

JANOSHIK

E-mail: info@janoshik.com
Web: www.janoshik.com

Task Number #237175

Testing ordered > 22 SEP '26

Sample received > 06 OCT '26

Client SPEPS/group

Sample Thymosin Alpha-1 5mg

Manufacturer SPEPS/group

Batch Unknown

Sample description >

See picture or pictures attached.

Tests requested >

Thymosin Alpha-1 analysis

Results >

Thymosin Alpha-1	6.68 mg
Purity	99.827%

Comments>

Sample was tested twice.

Analysis conducted > 09 OCT 2026

Signature>



TEST REPORT

JANOSHIK

E-mail: info@janoshik.com
Web: www.janoshik.com

Task Number #237177

Testing ordered > 22 SEP '26

Sample received > 06 OCT '26

Client SPEPS/group

Sample Thymosin Alpha-1 5mg

Manufacturer SPEPS/group

Batch

Sample description >

See picture or pictures attached.

Tests requested >

LCMS Screening For Peptide Contamination

Results >

LCMS screening	

Comments>

LCMS analysis identified the presence of mannitol and Thymosin-1. LCMS spectra are attached. No significant contamination detected.

Analysis conducted > 08 OCT 2026

Signature >



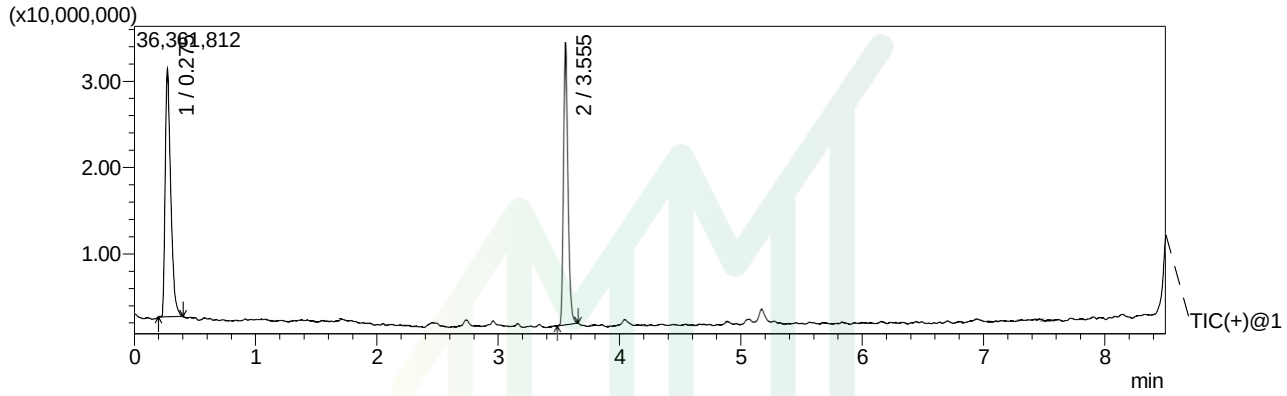
SHIMADZU
LabSolutions

Analysis Report

<Sample Information>

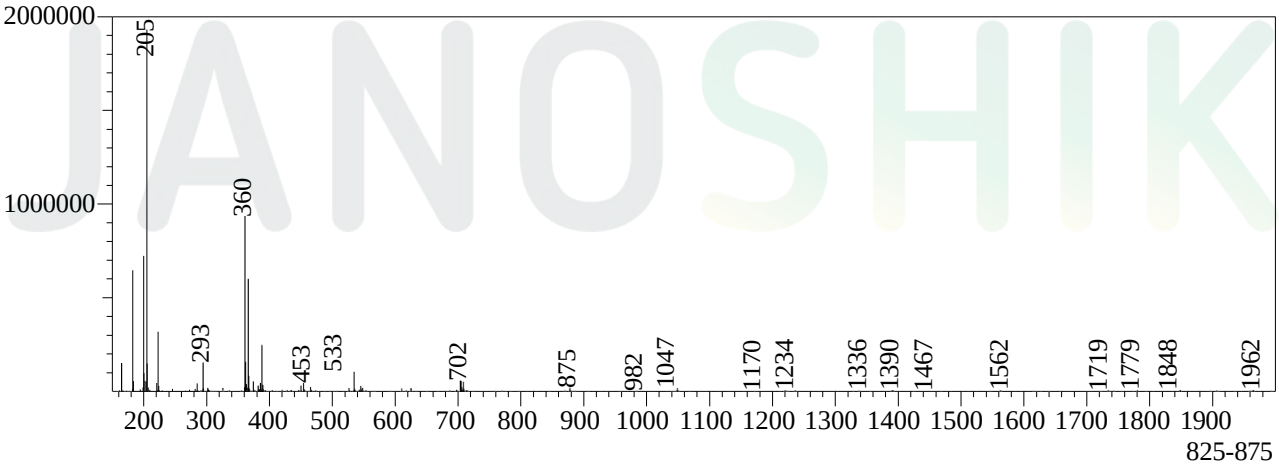
Sample Name : 31995-6 Thymosin Î±-1, 5mg +LCMS scr.+HM Sample ID 010
Data Filename : 31995-6 Thymosin 1, 5mg +LCMS scr.+HM_010_LCMS screening_010.lcd Method Filename : LCMS screening.lcm
Batch Filename : 20261006-8+shutdown.lcb
Vial # : 3-5 Sample Type : Unknown
Injection Volume : 0.1 uL
Date Acquired : 06/10/2026 16:34:45 Acquired by : System
Administrator Date Processed : 06/10/2026 16:43:16 Processed by : System Administrator

<Chromatogram>

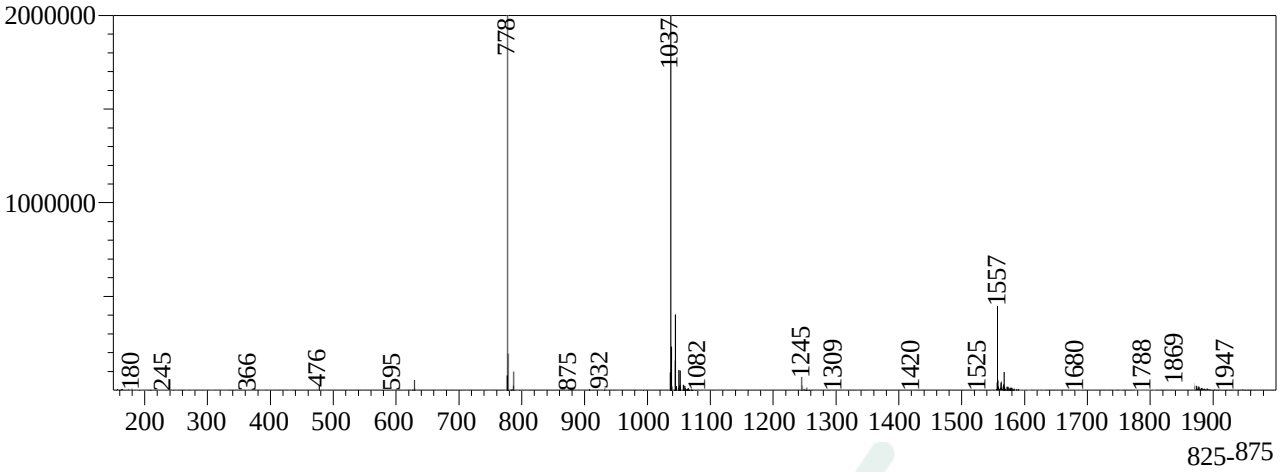


MS Spectrum

Peak#:1 R.Time:0.275(Scan#:111)
MassPeaks:708
Spectrum Mode:Averaged 0.203-0.405(82-163) BG Mode:Calc Segment 1 - Event 1



Peak#:2 R.Time:3.555(Scan#:1423)
MassPeaks:765
Spectrum Mode:Averaged 3.488-3.660(1396-1465)
BG Mode:Calc Segment 1 - Event 1



LC-MS Screening Summary

Thymosin alpha-1 | Sample 31995-6

Client-facing analytical summary

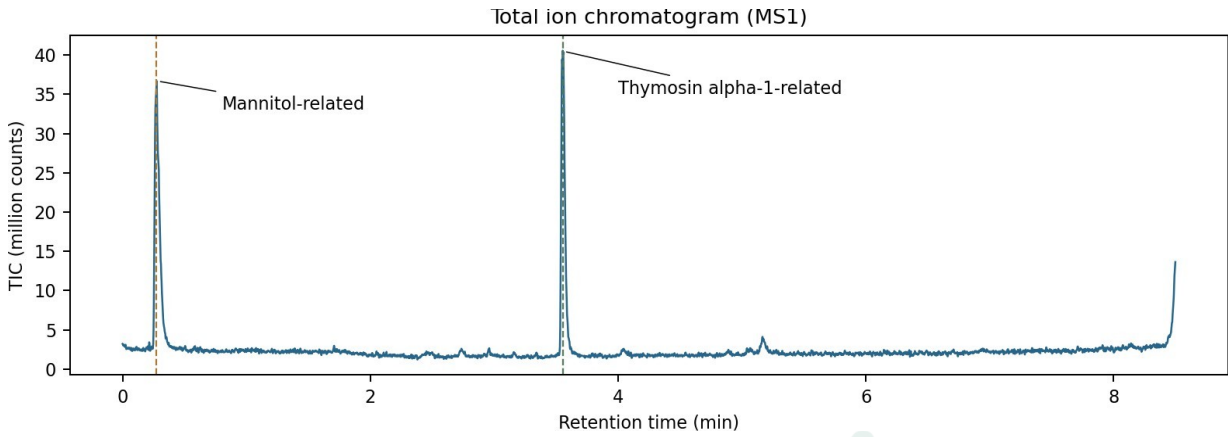
Summary

LC-MS screening shows an early mannitol-related chromatographic peak at approximately RT 0.275 min and a principal peptide-related peak at RT 3.553 min. The peptide-region MS1 spectrum contains prominent ions near m/z 1556.95, 1037.35 and 778.05, forming an approximately coherent 2+, 3+ and 4+ charge-state series compatible with Thymosin alpha-1-related material. Identification is provisional at screening resolution; this analysis does not establish quantitative purity.

Parameter	Observation
Analysis	LC-MS screening, positive-ion MS1
Sample	31995-6 Thymosin alpha-1, 5 mg
Mannitol-related region	Approx. RT 0.275 min
Main peptide-related region	Approx. RT 3.553 min
Representative spectrum	RT 3.553 min
Prominent ions	m/z 1556.95 (2+), 1037.35 (3+), 778.05 (4+)
Mass interpretation	Approximate neutral mass 3110-3112 Da from charge-state series; screening-level estimate
Overall assessment	Thymosin alpha-1-related material detected; provisional MS1 assignment

Chromatographic profile

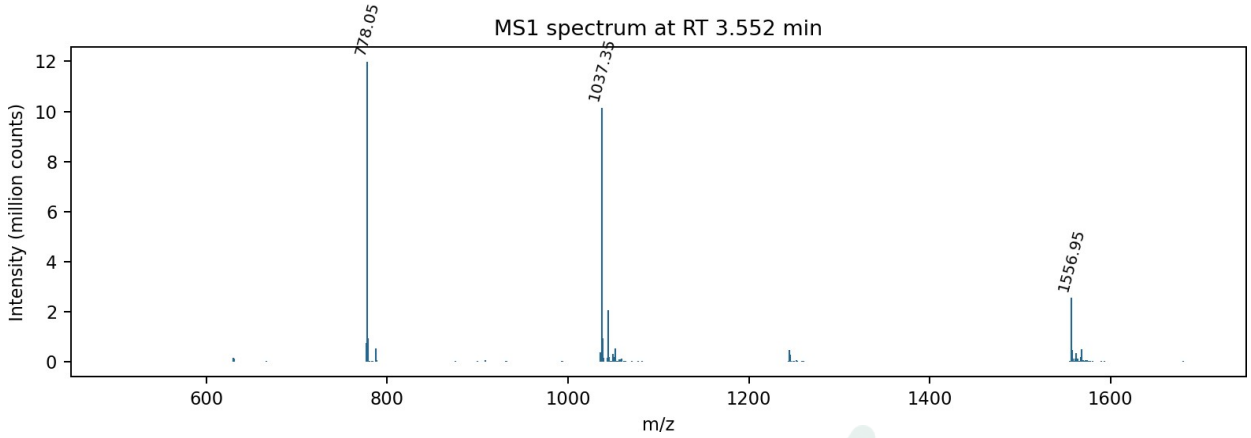
Figure 1. MS1 total ion chromatogram (TIC), showing the early mannitol-related peak and the principal Thymosin alpha-1-related peak.



Chromatographic comment. The early peak at approximately RT 0.275 min contains m/z 204.75 and 182.75, compatible at nominal mass resolution with mannitol-related ions. A separate dominant peptide-related peak is observed near RT 3.553 min. Smaller features occur elsewhere in the chromatogram; TIC peak intensities cannot be used directly to establish quantitative purity.

Mass spectrum of the principal region

Figure 2. Representative positive-ion MS1 spectrum at RT 3.553 min, showing the peptide-related charge-state series.



Interpretation

• Ions near m/z 1556.95, 1037.35 and 778.05 are consistent with approximate 2+, 3+ and 4+ charge states, respectively, corresponding to a neutral peptide mass near 3.11 kDa.

• This pattern is compatible with the expected mass region of Thymosin alpha-1. At nominal MS1 resolution, exact intact mass, terminal modifications and peptide sequence are not established definitively; a higher-resolution/deconvoluted method would be required.

• The early peak at RT 0.275 min is consistent with mannitol-related material, including m/z 204.75. This is a qualitative assignment, not a quantitative determination.

Conclusion

LC-MS screening result: Thymosin alpha-1-related peptide material detected, with a principal chromatographic feature near RT 3.553 min and a multiply charged ion pattern consistent with the expected mass region. Definitive intact-mass identity and quantitative purity confirmation would require a suitable higher-resolution/deconvoluted LC-MS method and, where applicable, orthogonal purity testing.

Analytical note

The observations are qualitative and intended for screening/characterization; they are not a quantitative assay or certificate of purity.

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Task Number #237176

Testing ordered > 22 SEP '26

Sample received > 06 OCT '26

Client SPEPS/group

Sample Thymosin Alpha-1 5mg

Manufacturer SPEPS/group

Batch

Sample description >

See picture or pictures attached.

Tests requested >

Endotoxin Analysis

Results >

Endotoxin	1.684 EU/Vial.

Comments>

Analysis conducted > 09 OCT 2026

Signature>



TEST REPORT

JANOSHIK

E-mail: info@janoshik.com
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Task Number #237178

Testing ordered > 22 SEP '26

Sample received > 06 OCT '26

Client SPEPS/group

Sample Thymosin Alpha-1 5mg

Manufacturer SPEPS/group

Batch

Sample description >

See picture or pictures attached.

Tests requested >

Heavy Metals Analysis

Results >

As	not detected.
Cd	not detected.
Pb	not detected.

Comments>

Hg: not detected.

Analysis conducted > 07 OCT 2026

Signature>

