TEST REPORT

111l-0
JANOSHIK

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

Task Number #237187

Testing ordered > 22 SEP '26
Sample received > 06 OCT '26

Client SPEPS/group
Sample TBSOO 10mg
Manufacturer SPEPS/group
Batch Unknown

Sample description >

See picture or pictures attached.

Tests requested >

TB4/TB-500/TB4(17-23) analysis

Results >

TB-500 (889 Da)	9.07 mg
Purity	99.102%

Comments>

Sample was tested twice.

Analysis conducted > 09 OCT 2026

Signature>



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E-mail: info@janoshik.com
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Task Number #237189

Testing ordered > 22 SEP '26

Sample received > 06 OCT '26

Client SPEPS/group

Sample TBSOO 10mg

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 TB-500 (889 Da). LCMS spectra are attached. No significant contamination detected.

Analysis conducted > 08 OCT 2026

Signature>



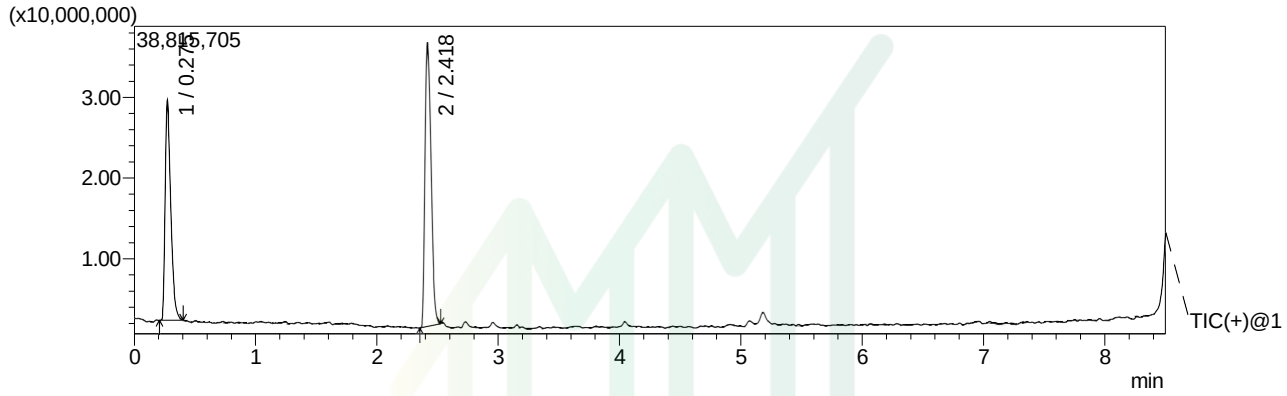
SHIMADZU
LabSolutions

Analysis Report

<Sample Information>

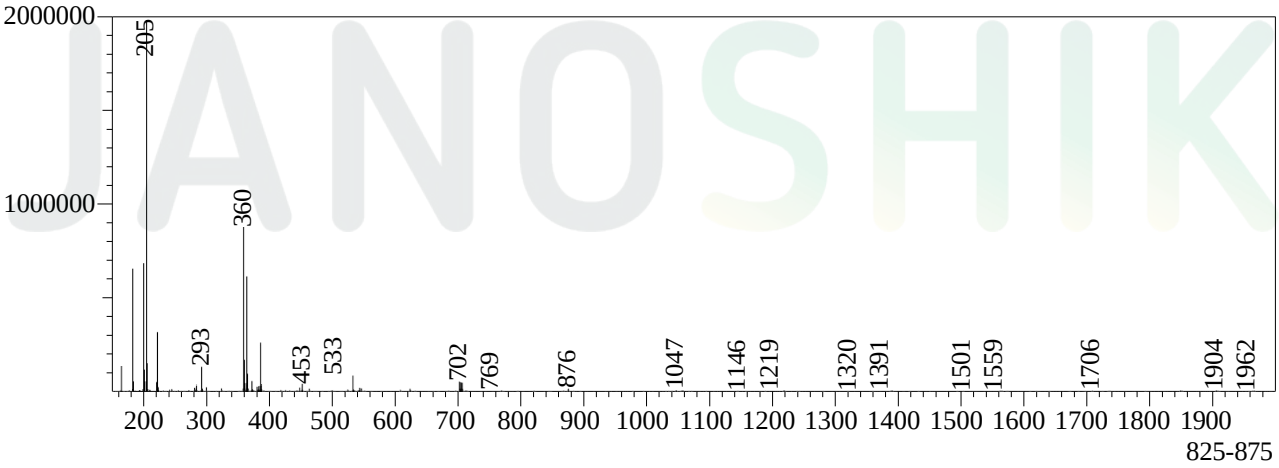
Sample Name : 31995-9 TB-500 10mg+LCMS scr.+HM Sample ID 016
Data Filename : 31995-9 TB-500 10mg+LCMS scr.+HM_016_LCMS screening_016.lcd Method Filename : LCMS screening.lcm
Batch Filename : 20261006-8+shutdown.lcb
Vial # : 3-8 Sample Type : Unknown
Injection Volume : 0.1 uL
Date Acquired : 06/10/2026 17:38:41 Acquired by : System
Administrator Date Processed : 06/10/2026 17:47:13 Processed by : System Administrator

<Chromatogram>

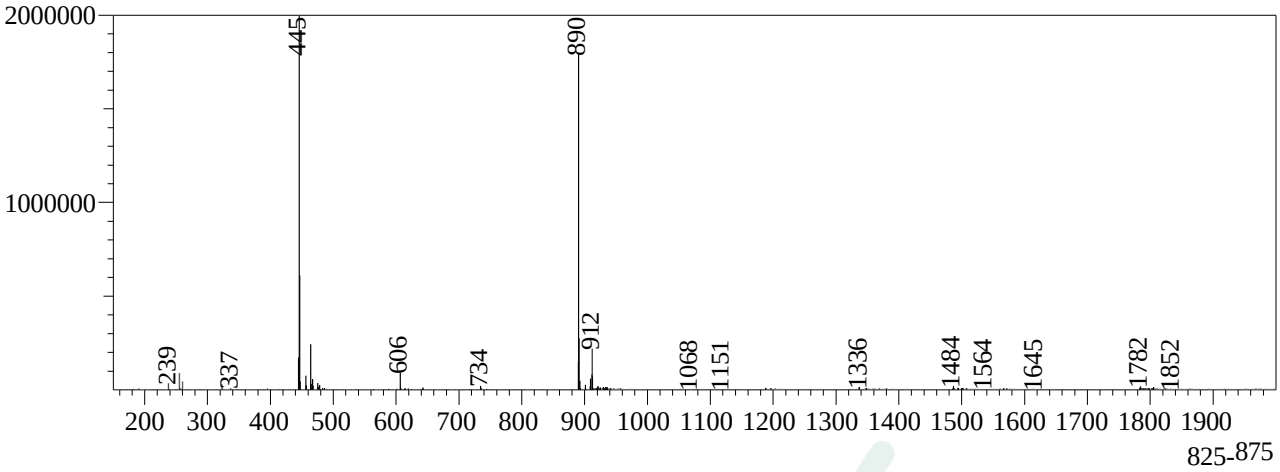


MS Spectrum

Peak#:1 R.Time:0.275(Scan#:111)
MassPeaks:717
Spectrum Mode:Averaged 0.210-0.405(85-163) BG Mode:Calc Segment 1 - Event 1



Peak#:2 R.Time:2.418(Scan#:968)
MassPeaks:997
Spectrum Mode:Averaged 2.355-2.528(943-1012)
BG Mode:Calc Segment 1 - Event 1



LC-MS Screening Summary

TB-500 (889 Da form) | Sample 31995-9

Client-facing analytical summary

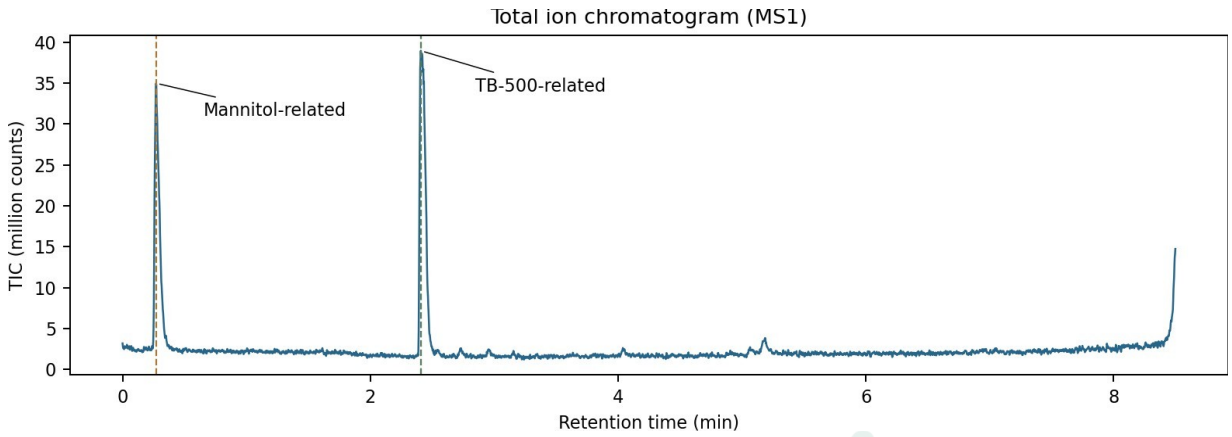
Summary

LC-MS screening shows an early mannitol-related chromatographic peak at approximately RT 0.270 min and a principal TB-500-related peak at RT 2.408 min. The peptide-region MS1 spectrum contains prominent ions near m/z 445.40 and 890.00, consistent with approximate doubly and singly protonated ions of a peptide with neutral mass near 889 Da. Identification is provisional at screening resolution; this analysis does not establish quantitative purity.

Parameter	Observation
Analysis	LC-MS screening, positive-ion MS1
Sample	31995-9 TB-500, 10 mg
Mannitol-related region	Approx. RT 0.270 min
Main peptide-related region	Approx. RT 2.408 min
Representative spectrum	RT 2.408 min
Prominent ions	m/z 445.40 (2+), 890.00 (1+)
Mass interpretation	Approximate neutral mass 889 Da from 1+/2+ ions; screening-level estimate
Overall assessment	TB-500 (889 Da form)-related material detected; provisional MS1 assignment

Chromatographic profile

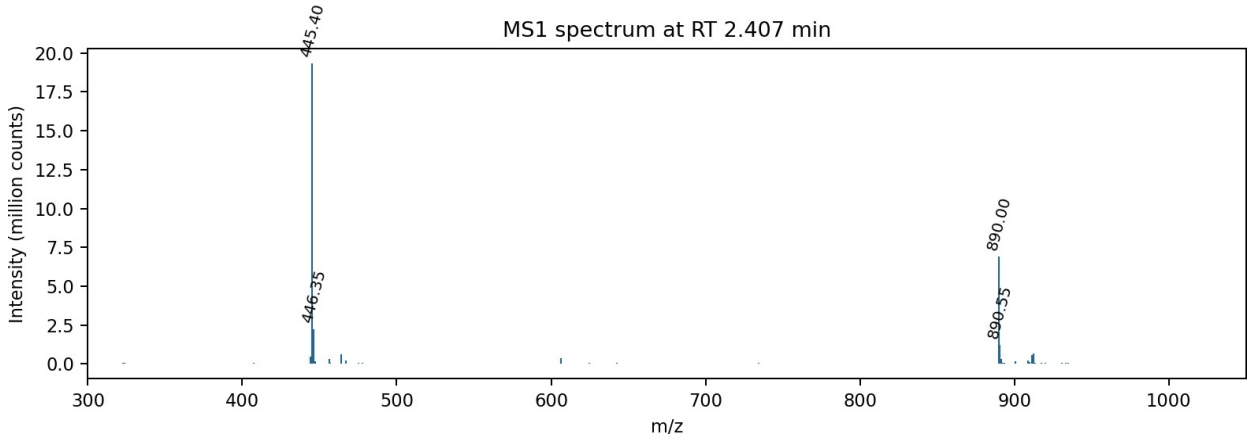
Figure 1. MS1 total ion chromatogram (TIC), showing the early mannitol-related peak and principal TB-500-related peak.



Chromatographic comment. The early peak at approximately RT 0.270 min contains m/z 204.70 and 182.80, compatible at nominal mass resolution with mannitol-related ions. A distinct peptide-related peak is observed near RT 2.408 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 2.408 min, showing the peptide-related ions.



Interpretation

• Ions near m/z 445.40 and 890.00 are consistent with approximate 2+ and 1+ ions, respectively, corresponding to a neutral peptide mass near 889 Da.

• This pattern is compatible with the requested 889 Da TB-500 form, not full-length thymosin beta-4. At nominal MS1 resolution, exact intact mass and peptide sequence are not established definitively.

• The early peak at RT 0.270 min is consistent with mannitol-related material, including m/z 204.70. This is a qualitative assignment, not a quantitative determination.

Conclusion

LC-MS screening result: TB-500 (889 Da form)-related peptide material detected, with a principal chromatographic feature near RT 2.408 min and ions 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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Sample received > 06 OCT '26

Client SPEPS/group

Sample TBSOO 10mg

Manufacturer SPEPS/group

Batch

Sample description >

See picture or pictures attached.

Tests requested >

Endotoxin Analysis

Results >

Endotoxin	<1 EU/Vial.

Comments>

Analysis conducted > 09 OCT 2026

Signature>



TEST REPORT

JANOSHIK

E-mail: info@janoshik.com
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Task Number #237190

Testing ordered > 22 SEP '26

Sample received > 06 OCT '26

Client SPEPS/group

Sample TBSOO 10mg

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>

