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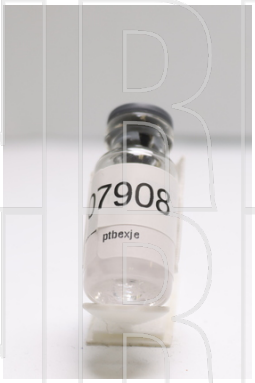
krause analytical

Project 145359
Lab # 207908
Date Rec'd 6/23/2026
Report Issued 7/1/2026

Certificate of Analysis

Compound Tirzepatide **Label Claim** 20 mg **Batch/Lot** ptbexje





Analyte	Result	Units	LOQ	% of Label	Method	Date	CAS
Peptide Analysis							
Chromatographic purity	>99.9	%	1		HPLC-UV/MS	6/26/2026	
Tirzepatide	23.1	mg	.1	115.3	HPLC-UV-MS	6/26/2026	2023788-19-2
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	6/26/2026	

The data presented are from the analysis of the sample shown and meet Krause Analytical internal quality assurance criteria unless otherwise flagged.
Methods shown reference current Krause Analytical SOPs
ND - Not detected LOQ - limit of quantification
All values reported on a per vial basis unless otherwise noted
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Respectfully submitted,

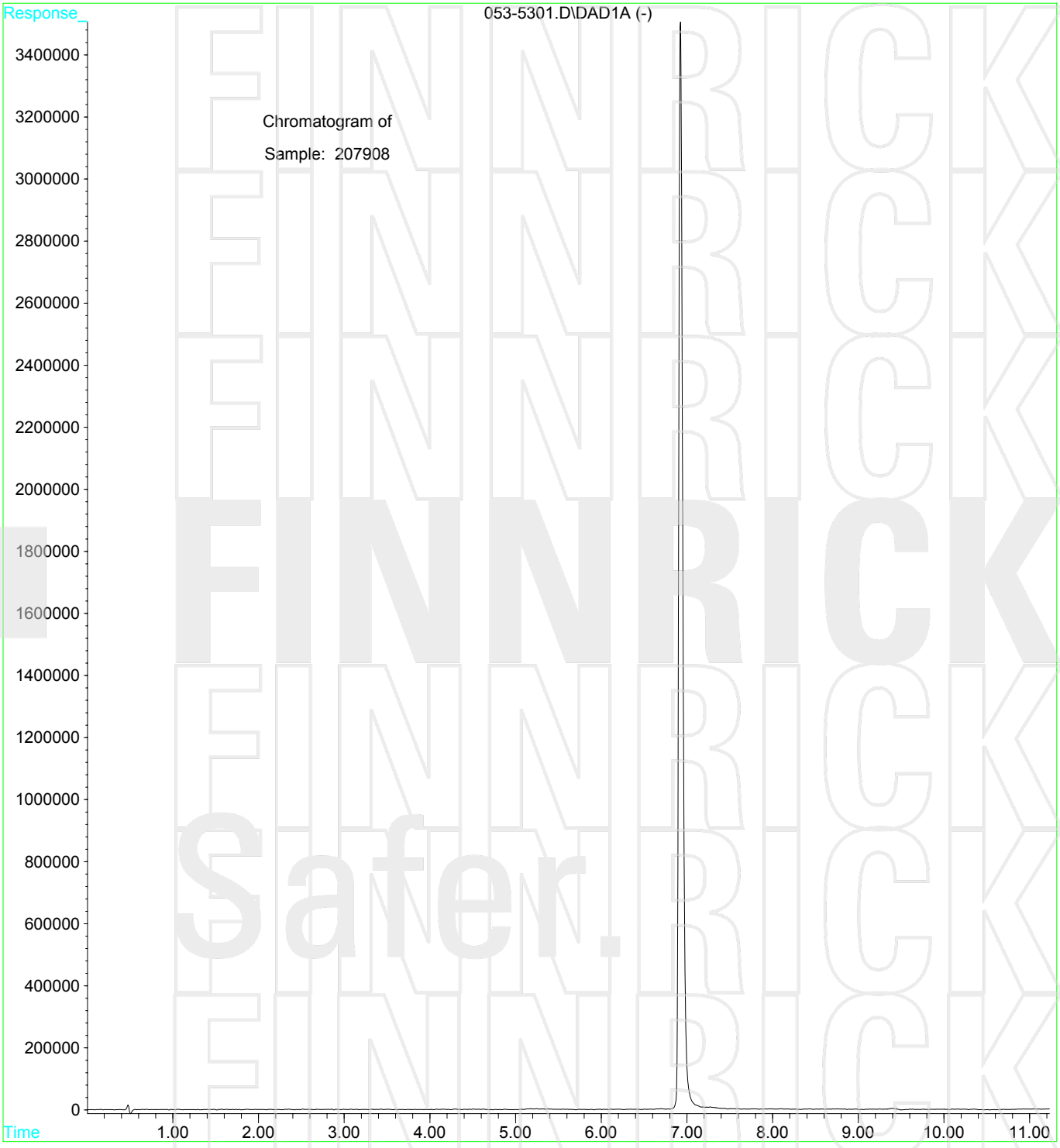
Mark C. Krause
Laboratory Director

8127 Mesa Drive Suite B-206 Austin, TX 78759

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CHROMATOGRAM

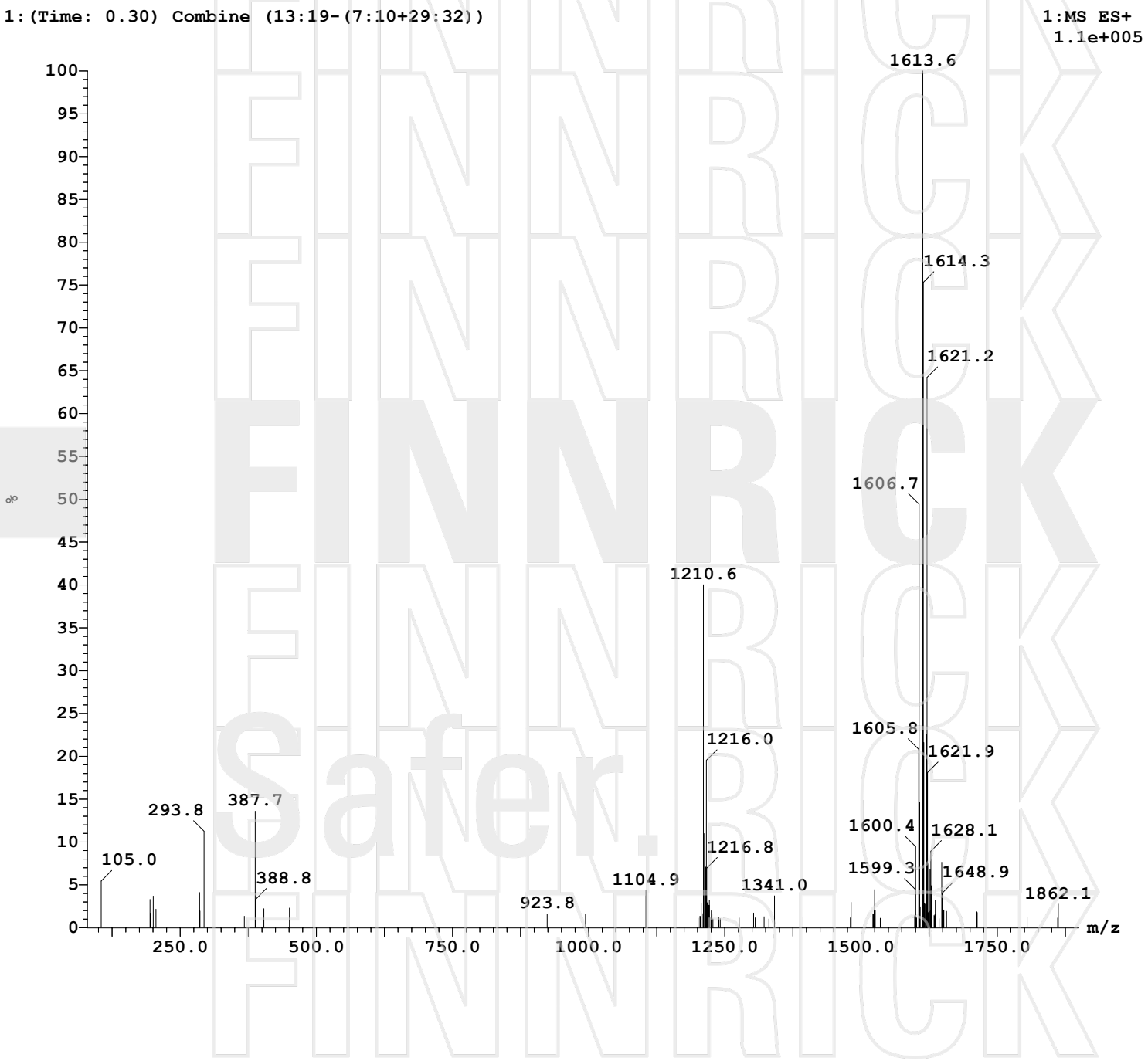
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Openlynx Report
File:207908

Sample Report:



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Methods Summary

Purity/Potency/Identification **USP/NF 621**

- 2 mL of purified water is added to the lyophilized powder in the vial, and the contents mixed to dissolve the lyophilized powder.
- An aliquot is taken from the vial and diluted to contain approximately 500 mg/L of the peptide.
- The diluted sample is analyzed by HPLC-UV-MS.
- The mass spectrum obtained is compared to an authentic standard of the peptide for identification.
- The total area of all of the peaks in the chromatogram is calculated, and the area of the peak of the peptide is divided by the total area to obtain the chromatographic purity value, reported in percent.
- The area of the peptide is compared to the area of the peptide peak in the known standard to obtain a concentration in the solution. This concentration is used to calculate the total mass of peptide in the vial, which is compared to the stated mass (label claim) and reported as both total mass in the vial and as a percent of the label claim.

Endotoxins **USP/NF 86**

- 2 mL of purified water is added to the lyophilized powder in the vial, and the contents mixed to dissolve the lyophilized powder.
- An aliquot is taken from the vial and diluted in endotoxin-free water.
- The diluted sample is analyzed for endotoxins using the LAL method.

Metals **USP/NF 233**

- 2 mL of purified water is added to the lyophilized powder in the vial, and the contents mixed to dissolve the lyophilized powder.
- An aliquot is taken from the vial and diluted in deionized water.
- The diluted aliquot is analyzed against known standards by ICP-MS

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