

Finnrick Analytics
Finnrick.com



Project 145315
Lab # 207076
Date Rec'd 6/11/2026
Report Issued 7/13/2026

Certificate of Analysis

Compound Tirzepatide **Label Claim** 10 mg **Batch/Lot** euhqbsb



Analyte	Result	Units	LOQ	% of Label	Method	Date	CAS
Peptide Analysis							
Chromatographic purity	>99.9	%	1		HPLC-UV/MS	6/18/2026	
Tirzepatide	10.7	mg	.1	106.8	HPLC-UV-MS	6/18/2026	2023788-19-2
Mass Spectral Match	ID Confirmed				HPLC-UV-MS	6/18/2026	
Microbiology							
Endotoxins	<0.5	EU	0.5		USP 86	6/26/2026	
FDA Critical Metals							
Arsenic	ND	µg	0.50		USP 233	6/23/2026	7440-38-2
Cadmium	ND	µg	0.10		USP 233	6/23/2026	7440-43-9
Lead	ND	µg	0.50		USP 233	6/23/2026	7439-92-1
Mercury	ND	µg	0.10		USP 233	6/23/2026	7439-97-6
Acetonitrile	ND	mg/Kg	50		USP 467	7/3/2026	75-05-8
Benzene	ND	mg/Kg	2.0		USP 467	7/3/2026	71-43-2
Carbon tetrachloride	ND	mg/Kg	4.0		USP 467	7/3/2026	56-23-5
Chlorobenzene	ND	mg/Kg	50		USP 467	7/3/2026	108-90-7
Chloroform	ND	mg/Kg	5		USP 467	7/3/2026	67-66-3
Cyclohexane	ND	mg/Kg	100		USP 467	7/3/2026	3006-86-8
1,2-Dichloroethane	ND	mg/Kg	2.0		USP 467	7/3/2026	107-06-2

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

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1,1-Dichloroethene	ND	mg/Kg	4.0		USP 467	7/3/2026	75-35-4
1,2-Dichloroethenes	ND	mg/Kg	10		USP 467	7/3/2026	540-59-0
Dichloromethane	ND	mg/Kg	50		USP 467	7/3/2026	75-09-2
1,2-Dimethoxyethane	ND	mg/Kg	40		USP 467	7/3/2026	110-71-4
N,N-Dimethylacetamide	ND	mg/Kg	100		USP 467	7/3/2026	127-19-5
N,N-Dimethylformamide	ND	mg/Kg	100		USP 467	7/3/2026	68-12-2
1,4- Dioxane	ND	mg/Kg	200		USP 467	7/3/2026	123-91-1
2-Ethoxyethanol	ND	mg/Kg	50		USP 467	7/3/2026	110-80-5
Ethylene glycol	ND	mg/Kg	200		USP 467	7/3/2026	107-21-1
Formamide	ND	mg/Kg	100		USP 467	7/3/2026	75-12-7
Hexanes	ND	mg/Kg	50		USP 467	7/3/2026	110-54-3
Methyl butyl ketone	ND	mg/Kg	40		USP 467	7/3/2026	79-20-9
Methyl cyclohexane	ND	mg/Kg	100		USP 467	7/3/2026	108-87-2
Nitromethane	ND	mg/Kg	20		USP 467	7/3/2026	75-52-5
N-methylpyrrolidone	ND	mg/Kg	100		USP 467	7/3/2026	872-50-4
Pyridine	ND	mg/Kg	200		USP 467	7/3/2026	110-86-1
Sulfolane	ND	mg/Kg	150		USP 467	7/3/2026	126-33-0
Tetrahydrofuran	ND	mg/Kg	50		USP 467	7/3/2026	109-99-9
Tetralin	ND	mg/Kg	100		USP 467	7/3/2026	119-64-2
Toluene	ND	mg/Kg	50		USP 467	7/3/2026	108-88-3

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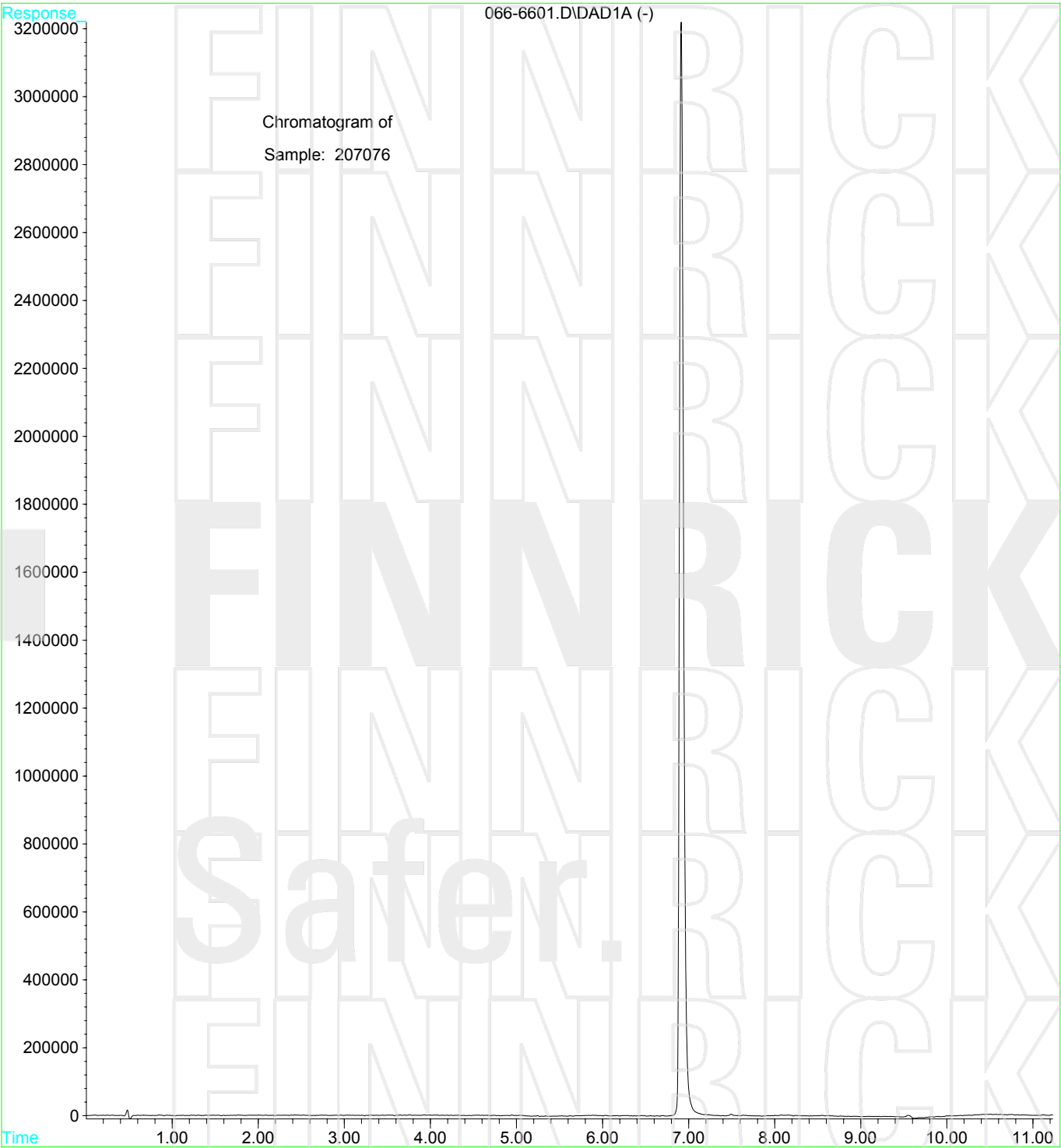


Analyte	Result	Units	LOQ	% of Label	Method	Date	CAS
1,1,1-Trichloroethane	ND	mg/Kg	100		USP 467	7/3/2026	71-55-6
Trichloroethene	ND	mg/Kg	10		USP 467	7/3/2026	79-01-6
Xylenes, total	ND	mg/Kg	100		USP 467	7/3/2026	1330-20-7

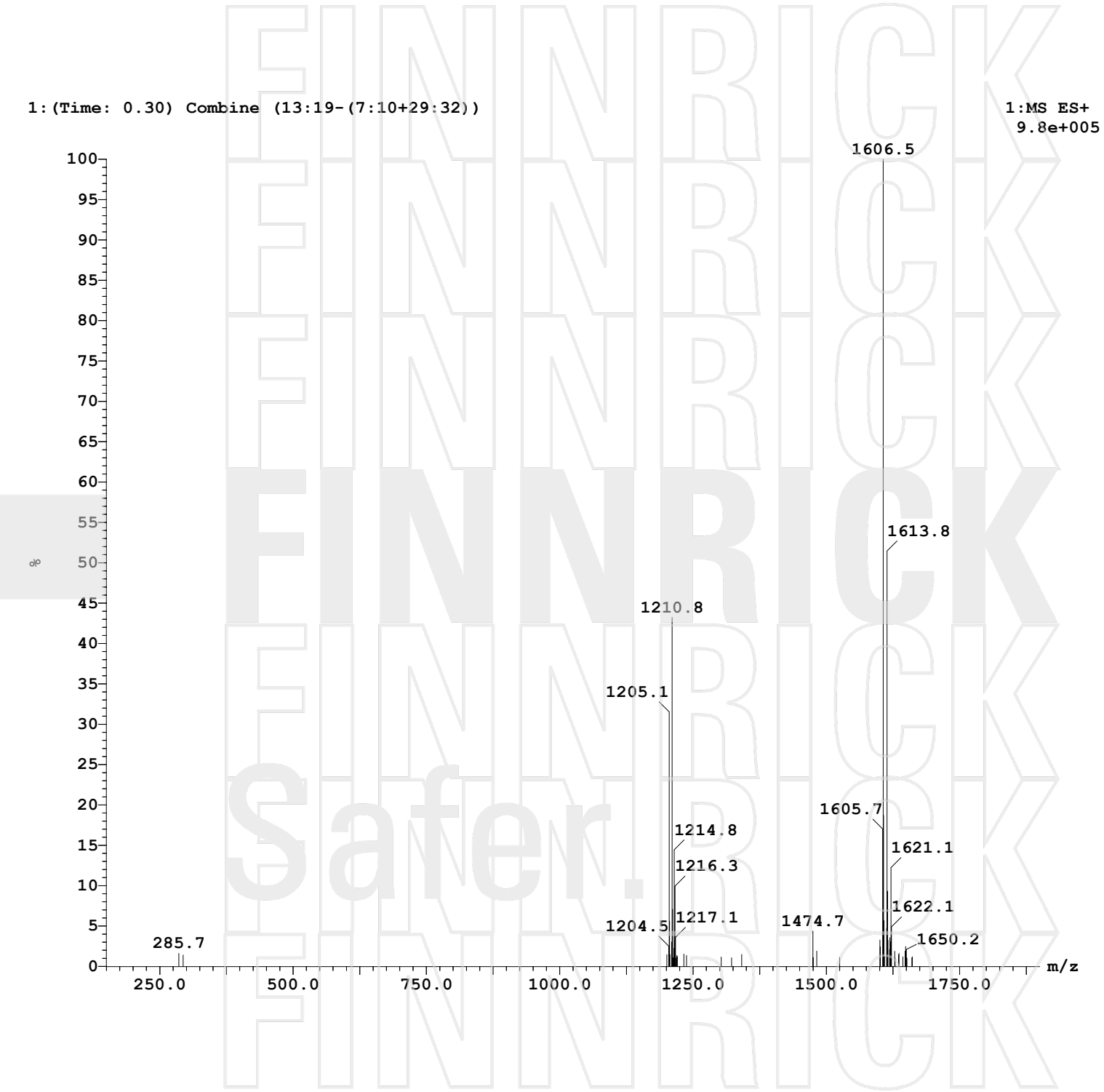
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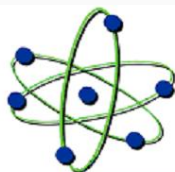
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CHROMATOGRAM



Sample Report:



**krause analytical**

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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