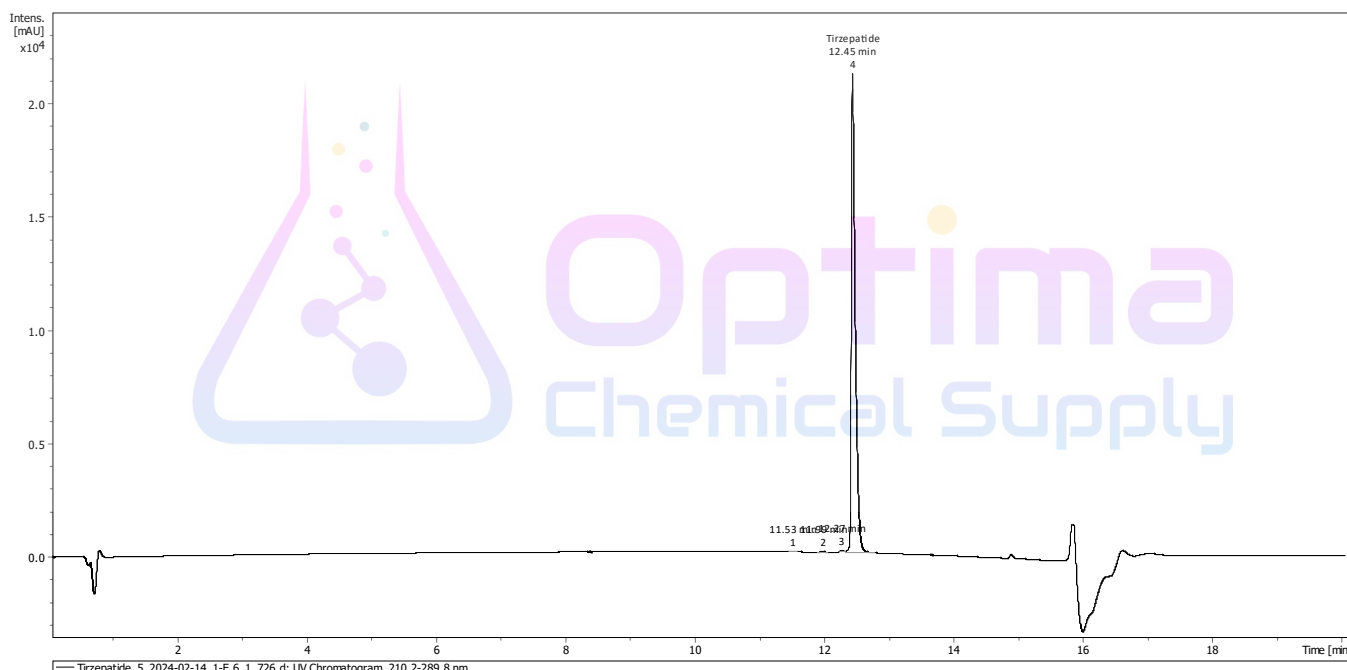


# Certificate of Analysis

## Tirzepatide 5 mg

<b>Compound</b>	: Tirzepatide	<b>Client</b>	: Optima Chemical Supply Inc.
<b>Lot number</b>	: 2024-02-14		: <a href="http://www.optimasupply.net/">http://www.optimasupply.net/</a>
<b>Analysis date</b>	: 2024-02-23		: <a href="mailto:Support@optimasupply.net">Support@optimasupply.net</a>
<b>Purity %</b>	: 99.51%		
<b>Quantity</b>	: 5.65 mg		
<b>Method</b>	: Mass Spectrometry and UV		

PubChem CID: 156588324  
<https://pubchem.ncbi.nlm.nih.gov/compound/156588324>




PEAK LIST		Number of detected peaks: 4		
	Time (min)	Area	%Area	
1	11.53	8.73E+01	0.10	
2	11.99	1.52E+02	0.18	
3	12.27	1.86E+02	0.21	
4	<b>12.45</b>	<b>8.64E+04</b>	<b>99.51</b>	<b>Tirzepatide</b>

Purity determined using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass : 4810.52 g  
 Measured mass : 4810.37 g  
 Molecular weight confirmed

Quantification by HPLC UV 214 nm  
 Measured quantity : 5.65 mg/vial

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers. These are not normally detected using UV and are not considered impurities.

Analysis Performed by  
 Ken Pendarvis, ChE  
 Analytical Chemist  
 MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)



2024-02-26