



## - Summary Report -

<b>Test Product:</b> Tirzepatide 20mg	<b>Batch/Lot #:</b> T20LY120825
<b>Client:</b> Ten23 Labs	<b>Receive Date:</b> 12/12/2025
<b>Description:</b> 3ml glass vial of lyophilized powder. (Purple Cap / Silver Crimp)	<b>Exp. Date:</b> N/A

COMPONENT	TEST	SPECIFICATION	RESULT
Tirzepatide	<b>Qualitative ID</b> Lambda Max	TS $\lambda_{max}$ is a match compared to its characteristic reference standard.	<b>Matches</b> ∴ <b>Pass</b>
	<b>Percent Purity</b> Correlation Coefficient	NLT 98% $r_{xy} = \frac{\sum_{i=1}^n (x_i - \bar{x}) \cdot (y_i - \bar{y})}{\sqrt{\sum_{i=1}^n (x_i - \bar{x})^2} \cdot \sqrt{\sum_{i=1}^n (y_i - \bar{y})^2}}$	<b>99.4%</b> ∴ <b>Pass</b>
	<b>Quantitative Assay</b> Beer-Lambert	NLT 95% label claim (mg/vial) $\% = (A_{TS}/A_{STD}) \times (C_{STD}/C_{TS}) \times 100$	<b>21.00mg</b> ∴ <b>Pass</b>

**Discussion:**

Sample received sealed and in good condition.  
 Tested on a Jenway 6715 UV/Vis spectrophotometer with a pulsed Xe lamp using 1.0cm quartz cuvettes. System suitability, daily wavelength calibration, and standard check pass all SOP criteria.  
 Sample meets all specifications requested for testing.



<pre> Spectrum Mode..... Instrument Id:      67xx V1.65.1 User Name:        Supervisor Method:           Default Method Batch Id:         Default Batch Wavelength Range: 190.0nm - 400.0nm Plot Interval:    0.1nm Measurement Mode: Absorbance Method Security:  Personal Auto-Scale:       On Y-Axis Minimum:   -0.3 Y-Axis Maximum:   3.0 Baseline:         18:59:05 12/15/25           </pre>	<pre> Spectrum Mode..... Instrument Id:      67xx V1.65.1 User Name:        Supervisor Method:           Default Method Batch Id:         Default Batch Wavelength Range: 190.0nm - 400.0nm Plot Interval:    0.1nm Measurement Mode: Absorbance Method Security:  Personal Auto-Scale:       On Y-Axis Minimum:   -0.3 Y-Axis Maximum:   3.0 Baseline:         17:53:42 13/11/25           </pre>
<pre> ===== Tagged Analysis Points ===== Wavelength  Absorbance 214.1nm      2.739           </pre>	<pre> ===== Peaks &amp; Valleys ===== 211.6, 2.608           </pre>

Performing Analyst Initial & Date: 16 December 2025

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