Analytical Formulations, Inc.
Premiere Consulting & Lab Services since 2008
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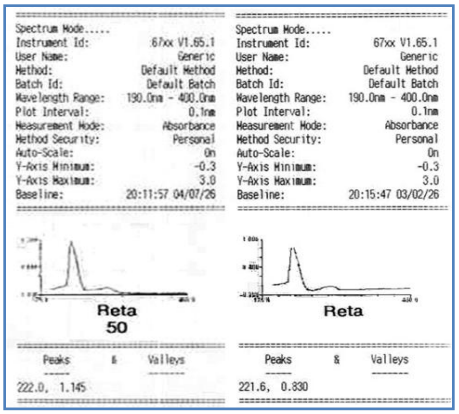
- Summary Report -

Test Product:	**Retatrutide 50mg**	**Batch/Lot #:**	RT50LY032626
Client:	**Ten23 Labs**	**Receive Date:**	04-04-26
Description:	3ml glass vials (2) of white, lyophilized powder. (Chartreuse caps / Silver crimp)	**Exp. Date:**	N/A

COMPONENT	TEST	SPECIFICATION	RESULT
Retatrutide	**Qualitative ID** Lambda Max	TS λ_{max} is a match compared to its characteristic reference standard.	**Matches** ∴ **Pass**
	Percent Purity Correlation Coefficient	NLT 98% $r_{xy} = \frac{\sum_{i=1}^{n}(x_i - \bar{x}) \cdot (y_i - \bar{y})}{\sqrt{\sum_{i=1}^{n}(x_i - \bar{x})^2} \cdot \sqrt{\sum_{i=1}^{n}(y_i - \bar{y})^2}}$	**99.8%** ∴ **Pass**
	Quantitative Assay Beer-Lambert	NLT 95% label claim (mg/vial) % = (A_{TS}/A_{STD}) x (C_{STD}/C_{TS}) x 100	**59.49mg** ∴ **Pass**
	Heavy Metals	NMT 150ppb Combined Metals (including Pb, Cd, Hg, Ni, Fe & Co)	**<10** ∴ **Pass**
	TAMC (Total Aerobic Microbial Counts)	NMT 1,000 CFU/ml* incubated 48hrs @ 37°C	**0** ∴ **Pass**
	TYMC (Total Yeast and Mold Counts)	NMT 100 CFU/ml* incubated 48hrs @ 30°C	**0** ∴ **Pass**

Tested on a Jenway 6715 UV/Vis Spectrophotometer.
*Based on Substances for Pharmaceutical Use compendium.

Discussion:
Sample received sealed and in good condition.



Performing Analyst **Initial & Date:** 9 April 2026

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