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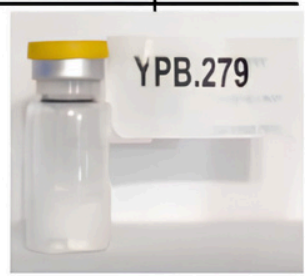
- Summary Report -

Test Product: Tesamorelin 10mg
Manufacturer: YPB Labs
Client: PureMD Labs
Batch/Lot #: (see flag tag)
Description: Vial with White Powder - Sealed with plastic Security Cap - Flag Tag attached at neck with Manufacture/Product Sku Number - PO and Expiration on Flag Tag.

Component	Test	Specification	Result
Tesamorelin	**Qualitative ID** Lambda Max	TS λ_{max} is a match compared to its characteristic reference standard.*	Matches ∴ Pass
	Percent Purity Correlation Coefficient	NLT 98%* $r_{xy} = \frac{\sum_{i=1}^{n}(x_i - \bar{x}) \cdot (y_i - \bar{y})}{\sqrt{\sum_{i=1}^{n}(x_i - \bar{x})^2} \cdot \sqrt{\sum_{i=1}^{n}(y_i - \bar{y})^2}}$	99.2% ∴ Pass
	Quantitative Assay Beer-Lambert	NLT 95% label claim (mg/vial)* % = $(A_{TS}/A_{STD}) \times (C_{STD}/C_{TS}) \times 100$	10.14mg ∴ Pass
	Heavy Metals Total Quantity	NMT 150ppb/vial Heavy Metals (including Pb, Cd, Hg, Ni, Fe & Co)	<150ppb ∴ Pass
	TAMC (Total Aerobic Microbial Counts)	NMT 100CFU/ml Aerobic/Coliform incubated 48hrs @ 37°C*	0 ∴ Pass
	TYMC (Total Yeast and Mold Counts)	NMT 100CFU/ml Yeast & Molds incubated for 48hrs @ 30°C*	0 ∴ Pass

Tested on a Jenway 6715 UV/Vis Spectrophotometer.
** Based on Substances For Pharmaceutical Use compendial SOP.*



Performing Analyst Initial & Date: 3 January 2026

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