



## - Summary Report -


<b>Test Product:</b> <b>Melanotan-II 10mg</b>	<b>Manufacturer:</b> YPB Labs
<b>Client:</b> PureMD Labs	<b>Batch/Lot #:</b> 20260102L03MT2S10
<b>Description:</b> 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
<b>MT2</b>	<b>Qualitative ID</b> Lambda Max	TS $\lambda_{max}$ is a match compared to it's 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>99.7%</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>11.28mg</b> ∴ <b>Pass</b>
	<b>Heavy Metals</b> Total Quantity	NMT 150ppb/vial Heavy Metals (including Pb, Cd, Hg, Ni, Fe & Co)	<b>&lt;20ppb</b> ∴ <b>Pass</b>
	<b>TAMC</b> (Total Aerobic Microbial Counts)	NMT 1,000 CFU* Aerobic/Coliform Incubated for 48hrs @ 37°C	<b>0</b> ∴ <b>Pass</b>
	<b>TYMC</b> (Total Yeast and Mold Counts)	NMT 100 CFU* Yeast & Molds Incubated for 48hrs @ 30°C	<b>0</b> ∴ <b>Pass</b>

Tested on a Jenway 6715 UV/Vis Spectrophotometer.

\*Based on Substances for Pharmaceutical Use compendium.



**Performing Analyst Initial & Date:**  **27 February 2026**

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