



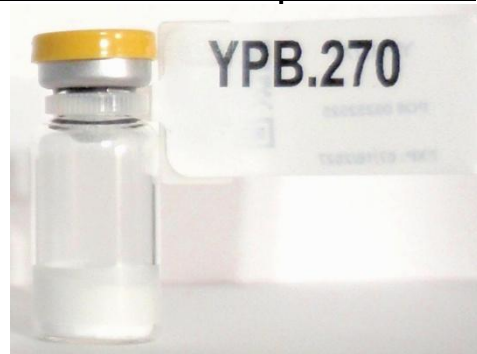
## - Summary Report -

**Test Product:** Melanotan-II 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
<b>Melanotan-II</b>	<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>99.8%</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>10.62mg</b> ∴ <b>Pass</b>
	<b>Heavy Metals</b> Total Quantity Limit	NMT 150ppb/vial Heavy Metals (including Pb, Cd, Hg, Ni, Fe & Co)	<b>0ppb</b> ∴ <b>Pass</b>
	<b>TAMC</b> (Total Aerobic Microbial Counts)	NMT 100 CFU/ml Aerobic/Coliform incubated 48hrs @ 37°C**	<b>&lt;100CFU</b> ∴ <b>Pass</b>
	<b>TYMC</b> (Total Yeast and Mold Counts)	NMT 100 CFU/ml Yeast & Molds incubated for 48hrs @ 30°C**	<b>0CFU</b> ∴ <b>Pass</b>

\* Tested on a Jenway 6715 UV/Vis Spectrophotometer.

\*\* Based on Substances For Pharmaceutical Use compendial SOP.



Performing Analyst Initial & Date:  28 December 2025

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