



Analytical Formulations, Inc.
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- Summary Report -

Test Product: Vitamin B-12 10ml (1mg/10ml)	Manufacturer: YPB Labs
Client: PureMD Labs	Batch/Lot #: 20251225L06B12S10
Description: Vial with red liquid - 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
Cyanocobalamin	Qualitative ID Lambda Max	TS λ_{max} is a match compared to it's characteristic reference standard.	Matches ∴ Pass
	Percent Purity Correlation Coefficient	NLT 98% $r_{xy} = \frac{\sum_{i=1}^n (x_i - \bar{x}) \cdot (y_i - \bar{y})}{\sqrt{\sum_{i=1}^n (x_i - \bar{x})^2} \cdot \sqrt{\sum_{i=1}^n (y_i - \bar{y})^2}}$	99.0% ∴ Pass
	Quantitative Assay Beer-Lambert	NLT 95% label claim (mg/vial) $\% = (A_{TS}/A_{STD}) \times (C_{STD}/C_{TS}) \times 100$	10.15mg ∴ 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 1,000 CFU* Aerobic/Coliform Incubated for 48hrs @ 37°C	0 ∴ Pass
	TYMC (Total Yeast and Mold Counts)	NMT 100 CFU* Yeast & Molds Incubated for 48hrs @ 30°C	0 ∴ Pass

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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