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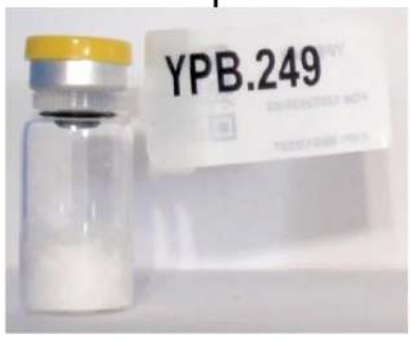
- Summary Report -

Test Product: ACE-031 1mg
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
ACE-031	**Qualitative ID** Lambda Max	TS λ_{max} is a match compared to its characteristic reference standard.*	**Matches** ∴ **Pass**
	Percent Purity Correlation Coefficient	NLT 98%* $r_{xy} = \frac{\sum_{i=1}^{n}(x_i - \overline{x}) \cdot (y_i - \overline{y})}{\sqrt{\sum_{i=1}^{n}(x_i - \overline{x})^2} \cdot \sqrt{\sum_{i=1}^{n}(y_i - \overline{y})^2}}$	**99.7%** ∴ **Pass**
	Quantitative Assay Beer-Lambert	NLT 95% label claim (mg/vial)* % = $(A_{TS}/A_{STD}) \times (C_{STD}/C_{TS}) \times 100$	**1.03mg** ∴ **Pass**
	Heavy Metals Total Quantity	NMT 150ppb/vial Heavy Metals (including Pb, Cd, Hg, Ni, Fe & Co)	**<10ppb** ∴ **Pass**
	TAMC (Total Aerobic Microbial Counts)	NMT 100 CFU/ml Aerobic/Coliform incubated 48hrs @ 37°C*	**0** ∴ **Pass**
	TYMC (Total Yeast and Mold Counts)	NMT 100 CFU/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: SD 3 January 2026

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