Purity Analytics

CERTIFICATE OF ANALYSIS

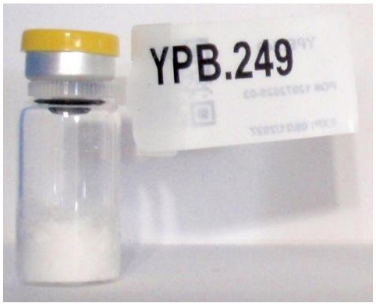
Artifact ID: coa_824e4a1e9e2c5c97676c08cb70e35006

ORDERED BY
Purity Analytics

PRODUCT
NAME ACE-031 1 mg
CATEGORY —

SAMPLE
BATCH NO-BATCH
TESTED 2026-01-03

PERFORMING LAB Analytical Formulations, Inc.
6703 Mountain Asia, San Antonio, TX 78233
https://analyticalformulations.com
Lab-certified result data: 2026-08-07



Submitted vial

DIGITALLY SIGNED BY
Purity Analytics LLC

ISSUED	2026-08-07 22:38:33 UTC
ISSUER	Sectigo RSA Document Signing CA
ALGORITHM	RSA-SHA512
FIELD	PuritySignature
TYPE	adbe.pkcs7.detached
CERT SERIAL	80EE9C34821454C706346FA64888B1B5
TIMESTAMP	Sectigo RFC 3161 TSA

Click this panel in Adobe Reader to validate the embedded signature.

ANALYTICAL RESULTS

COMPONENT	ANALYTE	SPECIFICATION	RESULT	P/F
ACE-031	Qualitative ID	TS λ max is a match compared to its characteristic reference standard.*	**Matches Lambda Max**	✓
	Percent Purity	NLT 98%* $r_{xy} = \frac{\Sigma (x_i - \bar{x})(y_i - \bar{y})}{\sqrt{\Sigma (x_i - \bar{x})^2} \cdot \sqrt{\Sigma (y_i - \bar{y})^2}}$	**99.7 %**	✓
ACE-031	Quantitative Assay	NLT 95% label claim (mg/vial) $\% = \frac{A_{TS}}{A_{STD}} \times \frac{C_{STD}}{C_{TS}} \times 100$	**1.03 mg**	✓
	Heavy Metals	NMT 150ppb/vial	**< 10 ppb**	✓
	TAMC (Total Aerobic Microbial Counts)	NMT 100 CFU/ml	**0 CFU**	✓
	TYMC (Total Yeast and Mold Counts)	NMT 100 CFU/ml	**0 CFU**	✓

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Artifact coa_824e4a1e9e2c5c97676c08cb70e35006 · Rendered 2026-08-07T22:38:33Z

METHODS & PERFORMING LABORATORY

METHODS

- Qualitative ID - Lambda Max
- Quantitative Assay - Beer-Lambert
- TAMC (Total Aerobic Microbial Counts)
- Percent Purity - Correlation Coefficient
- Heavy Metals - Total Quantity
- TYMC (Total Yeast and Mold Counts)

Microbial specifications follow the Substances for Pharmaceutical Use compendium. UV-Vis measurements performed on a Jenway 6715 UV/Vis Spectrophotometer.

PERFORMING LABORATORY

Analytical Formulations, Inc.

6703 Mountain Asia, San Antonio, TX 78233

https://analyticalformulations.com

A laboratory-authorized user certified on 2026-08-07 that the submitted result data and the Purity Analytics COA generated from that data accurately represent the laboratory's reported findings for the sample identified in this report.

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— END OF REPORT —

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