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Purity Analytics

PRODUCT

NAME **SS-31**
CATEGORY —

SAMPLE

BATCH **2S10202028**
TESTED **2026-05-13**

PERFORMING LAB **Analytical Formulations, Inc.**

8940 Fourwinds Drive STE 107, Windcrest, TX 78239
<https://analyticalformulations.com>
Lab-certified result data: 2026-06-02



Submitted vial



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Purity Analytics LLC

ISSUED 2026-08-07 22:38:31 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. Cryptographic validity is also shown at verify.purityanalytics.com.

ANALYTICAL RESULTS

COMPONENT	ANALYTE	SPECIFICATION	RESULT	P/F
SS-31	Qualitative ID	TS λmax is a match compared to its characteristic reference standard	Matches	✓
	Percent Purity (Correlation Coefficient)	NLT 98% $r_{xy} = \frac{\sum (x_i - \bar{x})(y_i - \bar{y})}{\sqrt{\sum (x_i - \bar{x})^2} \cdot \sqrt{\sum (y_i - \bar{y})^2}}$	99.6 %	✓
SS-31	Quantitative Assay (Beer-Lambert)	NLT 95% label claim (mg/vial) $\% = \frac{A_{TS}}{A_{STD}} \times \frac{C_{STD}}{C_{TS}} \times 100$	11.38 mg	✓
	Heavy Metals (Total Quantity)	NMT 100ppb/vial (Pb, Cd, Hg, Ni, Fe, Co)	<10 ppb	✓
	TAMC (Total Aerobic Microbial Counts)	NMT 100 CFU @ 37°C/48h	0 CFU	✓
	TYMC (Total Yeast and Mold Counts)	NMT 10 CFU @ 30°C/48h	0 CFU	✓



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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.

8940 Fourwinds Drive STE 107, Windcrest, TX 78239

<https://analyticalformulations.com>

A laboratory-authorized user certified on 2026-06-02 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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DISCLAIMER & SCOPE OF TESTING

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