



## ORDERED BY

Purity Analytics

## PRODUCT

NAME

NAD+

CATEGORY

—

## SAMPLE

BATCH

NA500202028

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



## DIGITALLY SIGNED BY

Purity Analytics LLC

ISSUED

2026-08-07 22:38:20 UTC

ISSUER

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ALGORITHM

RSA-SHA512

FIELD

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TIMESTAMP

Sectigo RFC 3161 TSA

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## ANALYTICAL RESULTS

| COMPONENT | ANALYTE                                  | SPECIFICATION                                                                                                                       | RESULT    | P/F |
|-----------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|
| b-NAD+    | Qualitative ID                           | TS $\lambda_{\text{max}}$ is a match compared to its characteristic reference standard                                              | Matches   | ✓   |
|           | Percent Purity (Correlation Coefficient) | NLT 98%<br>$r_{xy} = \frac{\sum (x_i - \bar{x})(y_i - \bar{y})}{\sqrt{\sum (x_i - \bar{x})^2} \cdot \sqrt{\sum (y_i - \bar{y})^2}}$ | 99.5 %    | ✓   |
| b-NAD+    | Quantitative Assay (Beer-Lambert)        | NLT 95% label claim (mg/vial)<br>$\% = \frac{A_{\text{TS}}}{A_{\text{STD}}} \times \frac{C_{\text{STD}}}{C_{\text{TS}}} \times 100$ | 553.66 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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