

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-24 11:27:25

Date of Next Testing: 2029-04-23 11:27:25

Product Name: **β-Nicotinamide adenine dinucleotide phosphate(NADP) hydrate**

CAS Number: 53-59-8 (anhydrous)

Specifications & Purity: Moligand™, ≥95%

Lot #: D2517493

SKU #: **N101669**

Version: **1**

Analysis #: **482393**

Storage Temperature: Store at -20°C

| Parameter                                                               | Limit Values                                    | Result                                          |
|-------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Sodium(Na)                                                              | 0-0.04 (%)                                      | 0.01000 %                                       |
| Water by Karl Fischer                                                   | 0-9 (%)                                         | 0.02820 %                                       |
| Purity(HPLC)                                                            | 95-100 (%)                                      | 99.84700 %                                      |
| Potassium(K)                                                            | 0-0.04 (%)                                      | 0.02000 %                                       |
| Solvent Content                                                         | 0-4 (%)                                         | 1.20000 %                                       |
| Solubility in H2O , Colorless to Faint Yellow<br>, Clear , 50 mg/ml H2O | pass                                            | Pass                                            |
| Proton NMR spectrum                                                     | Conforms to Structure                           | Conforms to Structure                           |
| Phosphorus NMR Spectra                                                  | Conforms to Structure                           | Conforms to Structure                           |
| Appearance (N101669)                                                    | White to Off-White Powder or<br>Solid or Chunks | White to Off-White Powder or<br>Solid or Chunks |



John Su  
QA & QC Manager