

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-31 16:14:41

Date of Next Testing: 2032-03-29 16:14:41

Product Name: **β-Nicotinamide adenine dinucleotide hydrate**

CAS Number: 53-84-9

Specifications & Purity: ≥99%, purified by column chromatography

Lot #: C2630712

SKU #: N754989

Version: 1

Analysis #: 683383

Storage Temperature: Store at -20°C

| Parameter                               | Limit Values                                       | Result                                             |
|-----------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Water by Karl Fischer                   | 0-10 (%)                                           | 4.96450 %                                          |
| Purity(HPLC)                            | 99-100 (%)                                         | 99.64100 %                                         |
| NMR Total Resid.Solvents                | 0-0.1 (%)                                          | 0.05000 %                                          |
| Appearance(N754989)                     | White to pale yellow powder, crystals and/or Chunk | white to pale yellow Powder, Crystals and/or Chunk |
| Solubility(50mg/mL,H2O),Colorless,Clear | Pass                                               | Pass                                               |
| LC-MS for identification                | Conforms                                           | Conforms                                           |
| Phosphorus NMR spectrum                 | conforms to structure                              | Conforms to Structure                              |
| Proton NMR spectrum                     | Conforms to Structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager