

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-31 11:39:08  
 Date of Next Testing: 2030-03-30 11:39:08  
 Product Name: **β-Nicotinamide adenine dinucleotide(NAD)**  
 CAS Number: 53-84-9  
 Specifications & Purity: Moligand™, ≥97%  
 Lot #: C2624466  
 SKU #: **N111609**  
 Version: **0**  
 Analysis #: **683186**  
 Storage Temperature: Store at -20°C

| Parameter                                                          | Limit Values              | Result                    |
|--------------------------------------------------------------------|---------------------------|---------------------------|
| Water by Karl Fischer                                              | 0-10 (%)                  | 4.96450 %                 |
| Purity(HPLC)                                                       | 97-100 (%)                | 99.64100 %                |
| Enzymatic Purity(Dry Basis)                                        | 97-100 (%)                | 99.50000 %                |
| Solvent Content (by GC)                                            | 0-3 (%)                   | 1.60000 %                 |
| Appearance (N111609)                                               | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                                                | Conforms to Structure     | Conforms to Structure     |
| Solubility in H2O , Colorless to Faint Yellow Clear ,50 mg/mL, H2O | pass                      | Pass                      |



John Su  
QA & QC Manager