

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2024-12-16 11:33:18

Date of Next Testing: 2028-12-15 11:33:18

Product Name:  **$\beta$ -Nicotinamide adenine dinucleotide phosphate sodium salt hydrate(NADP)**

CAS Number: 1184-16-3

Specifications & Purity:  $\geq 97\%$

Lot #: L2409511

SKU #: N107170

Version: 1

Analysis #: 439933

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                                                      | Limit Values                          | Result                                |
|------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Water by Karl Fischer                                                                          | 0-9 (%)                               | 0.29230 %                             |
| Purity(HPLC)                                                                                   | 97-100 (%)                            | 98.77300 %                            |
| Sodium (Na)(anhydrous)                                                                         | 1.5-4.3 (%)                           | 3.23000 %                             |
| Appearance (N107170)                                                                           | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Proton NMR spectrum                                                                            | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow , Clear , 50 mg/ml H <sub>2</sub> O | pass                                  | Pass                                  |

