

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-03 10:08:20  
 Date of Next Testing: 2030-06-02 10:08:20  
 Product Name: **4,4'-Bis(hydroxymethyl)-2,2'-bipyridine**  
 CAS Number: 109073-77-0  
 Specifications & Purity:  $\geq 95\%$   
 Lot #: E2626015  
 SKU #: **B123374**  
 Version: **1**  
 Analysis #: **595164**  
 Storage Temperature: Room temperature

| Parameter                   | Limit Values                                 | Result                                       |
|-----------------------------|----------------------------------------------|----------------------------------------------|
| Purity(NonaqueousTitration) | 95-100 (%)                                   | 97.82500 %                                   |
| Purity(HPLC)                | 95-100 (%)                                   | 97.54500 %                                   |
| Appearance (b123374)        | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Proton NMR spectrum         | Conforms to Structure                        | Conforms to Structure                        |
| Infrared spectrum           | Conforms to Structure                        | Conforms to Structure                        |



John Su  
QA & QC Manager