

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-17 13:26:34  
 Date of Next Testing: 2027-10-07 13:26:34  
 Product Name: **4,4'-Dibromo-2,2'-bipyridyl**  
 CAS Number: 18511-71-2  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: A2415291  
 SKU #: **D119891**  
 Version: **1**  
 Analysis #: **588815**  
 Storage Temperature: Room temperature

| Parameter                    | Limit Values                                        | Result                                              |
|------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Melting point                | 138-142 (°C)                                        | 141.91800 °C                                        |
| Purity(Nonaqueous Titration) | 97-100 (%)                                          | 99.25 %                                             |
| Purity(GC)                   | 97-100 (%)                                          | 98.29 %                                             |
| Appearance (D119891)         | Off-White to Pale Yellow Crystals, Powder or Flakes | Off-White to Pale Yellow Crystals, Powder or Flakes |
| Proton NMR spectrum          | Conforms to structure                               | Conforms to Structure                               |



John Su  
QA & QC Manager