

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-12 14:41:44  
 Date of Next Testing: 2028-10-11 14:41:44  
 Product Name: 4,4'-Di-tert-butyl-2,2'-dipyridyl  
 CAS Number: 72914-19-3  
 Specifications & Purity: ≥98%  
 Lot #: J2409213  
 SKU #: D119895  
 Version: 0  
 Analysis #: 050242  
 Storage Temperature: Room temperature, Argon charged

| Parameter                      | Limit Values                                      | Result                                            |
|--------------------------------|---------------------------------------------------|---------------------------------------------------|
| Carbon by Elemental Analysis   | 77.7-82.6 (%)                                     | 80.40000 %                                        |
| Nitrogen by Elemental Analysis | 10-10.7 (%)                                       | 10.01000 %                                        |
| Purity(HPLC)                   | 98-100 (%)                                        | 99.53600 %                                        |
| Melting point                  | 159-163 (°C)                                      | 159.98000 °C                                      |
| Appearance (D119895)           | white to off-white powder, crystals and/or chunks | white to off-white powder, crystals and/or chunks |
| Infrared spectrum              | Conforms to Structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager