

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-07 15:06:42  
Date of Next Testing: 2027-03-07 15:06:42  
Product Name: **2,2'-Biquinoline-4,4'-dicarboxylic acid dipotassium salt trihydrate**  
CAS Number: 207124-63-8  
Specifications & Purity:  $\geq 99\%$   
Lot #: A1808050  
SKU #: **B138461**  
Version: **0**  
Analysis #: **478351**

| Parameter                      | Limit Values                      | Result                            |
|--------------------------------|-----------------------------------|-----------------------------------|
| Carbon by Elemental Analysis   | 49.8-51.4 (%)                     | 50.20%                            |
| Nitrogen by Elemental Analysis | 5.7-6.1 (%)                       | 5.90%                             |
| Water by Karl Fischer          | 9-13.8 (%)                        | 11.30%                            |
| Purity(HPLC)                   | 98-100 (%)                        | 99.30000%                         |
| Appearance (B138461)           | white to beige powder or crystals | white to beige powder or crystals |
| Proton NMR spectrum            | Conforms to Structure             | Conforms to Structure             |



John Su  
QA & QC Manager