

Certificate of Analysis

Date of Testing: 2023-05-05 09:49:28
Date of Next Testing: 2025-05-04 09:49:28
Product Name: **2,2'-Biquinoline-4,4'-dicarboxylic acid dipotassium salt trihydrate**
CAS Number: 207124-63-8
Specifications & Purity: $\geq 99\%$
Lot #: D2323027
SKU #: **B138461**
Analysis: **209007**

| Parameter | Limit Values | Result |
|--------------------------------|-----------------------------------|-----------------------------------|
| Carbon by Elemental Analysis | 49.8-51.4 (%) | 50.52% |
| Nitrogen by Elemental Analysis | 5.7-6.1 (%) | 5.92% |
| Water by Karl Fischer | 9-13.8 (%) | 11.81% |
| Purity(HPLC) | 98-100 (%) | 99.43000% |
| 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