

## Certificate of Analysis

Date of Testing: 2024-12-04 17:06:55  
Date of Next Testing: 2026-12-04 17:06:55  
Product Name: **2,2'-Biquinoline-4,4'-dicarboxylic acid dipotassium salt trihydrate**  
CAS Number: 207124-63-8  
Specifications & Purity:  $\geq 99\%$   
Lot #: G1925024  
SKU #: **B138461**  
Version: **0**  
Analysis #: **443165**

Parameter	Limit Values	Result
Carbon by Elemental Analysis	49.8-51.4 (%)	50.30%
Nitrogen by Elemental Analysis	5.7-6.1 (%)	5.89%
Water by Karl Fischer	9-13.8 (%)	10.50%
Purity(HPLC)	98-100 (%)	98.08000%
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