

Certificate of Analysis

Date of Testing: 2023-03-08 11:19:37

Date of Next Testing: 2027-03-07 11:19:37

Product Name: **2,2'-Bipyridine-5,5'-dicarboxylic acid**

CAS Number: 1802-30-8

Specifications & Purity: 98%

Lot #: B2328772

SKU #: **B123373**

Analysis: **190123**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	10.7-12 (%)	11.71 %
Purity(HPLC)	98-100 (%)	98.29000 %
Purity(Neutralization titration)	97.5-102.5 (%)	100.86 %
Carbon by Elemental Analysis	57.2-59.4 (%)	57.23 %
Appearance (B123373)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager