

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-02 17:08:10  
Date of Next Testing: 2026-08-01 17:08:10  
Product Name: **cis-Bis(2,2'-bipyridine)dichlororuthenium(II) hydrate**  
CAS Number: 98014-14-3  
Specifications & Purity: 95%  
Lot #: G2321444  
SKU #: **C487395**  
**Analysis:** **233520**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based on Carbon)	95-100 (%)	98.62000 %
Appearance(C487395)	Dark Green or Green-Black Powder or Crystalline Powder and/or Chunks	Dark Green or Green-Black Powder or Crystalline Powder and/or Chunks
ICP: Confirms Ru Component	Confirmed	Confirmed
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager