

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-13 15:05:59
 Date of Next Testing: 2029-10-12 15:05:59
 Product Name: **cis-Bis-(2,2'-bipyridine)dichlororuthenium dihydrate**
 CAS Number: 15746-57-3
 Specifications & Purity: $\geq 99\%$
 Lot #: I2524251
 SKU #: **C118516**
 Version: **1**
 Analysis #: **564326**
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Ru by Elemental Analysis	18.7-19.9 (%)	19.50000 %
Purity (Elemental Analysis)	99-100 (%)	99.10000 %
Appearance (C118516)	Dark Green to blue-black to Black powder or crystals or Solid	Dark Green to blue-black to Black powder or crystals or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Ru Component	Confirmed	Confirmed



John Su
QA & QC Manager