

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-15 10:15:04
 Date of Next Testing: 2028-10-14 10:15:04
 Product Name: **cis-Bis-(2,2'-bipyridine)dichlororuthenium dihydrate**
 CAS Number: 15746-57-3
 Specifications & Purity: $\geq 99\%$
 Lot #: J2409051
 SKU #: **C118516**
 Version: **1**
 Analysis #: **023836**
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Ru by Elemental Analysis	18.7-19.9 (%)	19.18000 %
Purity(Elemental Analysis)	99-100 (%)	99.01000
Appearance (C118516)	Dark Green to Black powder or crystals	Dark Green to Black powder or crystals
ICP: Confirms Ru Component	Confirmed	Confirmed
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager