

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-20 10:16:09

Date of Next Testing: 2028-12-19 10:16:09

Product Name: **Tris(2,2'-bipyridine)dichlororuthenium(II) hexahydrate**

CAS Number: 50525-27-4

Specifications & Purity: ≥98%

Lot #: L2413750

SKU #: **T113540**

Version: **1**

Analysis #: **440941**

Storage Temperature: Protected from light, Room temperature, Argon charged, Cool

Parameter	Limit Values	Result
Carbon by Elemental Analysis	45.7-50.5 (%)	49.27400 %
Nitrogen by Elemental Analysis	10.7-11.8 (%)	11.46800 %
Water by Karl Fischer	12-15 (%)	12.01000 %
Appearance (T113540)	Red to Red-Orange to Orange Powder or Crystals	Red to Red-Orange to Orange Powder or Crystals
Solubility in H2O , Clear to Slightly Hazy, Orange to Red, 1%	pass	Pass
ICP: Confirms Ruthenium Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager