

Certificate of Analysis

Date of Testing: 2023-05-30 15:26:12

Date of Next Testing: 2027-05-29 15:26:12

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

CAS Number: 50525-27-4

Specifications & Purity: 98%

Lot #: E2324631

SKU #: **T113540**

Analysis: **212434**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	45.7-50.5 (%)	48.77 %
Nitrogen by Elemental Analysis	10.7-11.8 (%)	11.44 %
Water by Karl Fischer	12-15 (%)	14.98 %
Appearance (T113540)	Red to Red-Orange to Orange Powder or Crystals	Red to Red-Orange to Orange Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Clear to Slightly Hazy, Orange to Red, 1%	pass	Pass
ICP: Confirms Ruthenium Component	Confirmed	Confirmed



John Su
QA & QC Manager