

Certificate of Analysis

Date of Testing: 2022-12-14 17:26:49
Date of Next Testing: 2026-12-13 17:26:49
Product Name: **Tris(2,2'-bipyridine)dichlororuthenium(II) hexahydrate**
CAS Number: 50525-27-4
Specifications & Purity: 98%
Lot #: L2208990
SKU #: **T113540**
Analysis: 146446
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	45.7-50.5 (%)	46.84 %
Nitrogen by Elemental Analysis	10.7-11.8 (%)	10.94 %
Water by Karl Fischer	12-15 (%)	14.92 %
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