

Certificate of Analysis

Date of Testing: 2024-12-09 08:43:52
Date of Next Testing: 2028-12-08 08:43:52
Product Name: **Tris(2,2'-bipyridine)dichlororuthenium(II) hexahydrate**
CAS Number: 50525-27-4
Specifications & Purity: $\geq 98\%$
Lot #: L2405563
SKU #: **T113540**
Version: **1**
Analysis #: **379133**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	45.7-50.5 (%)	46.13 %
Nitrogen by Elemental Analysis	10.7-11.8 (%)	10.81 %
Water by Karl Fischer	12-15 (%)	14.76 %
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



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QA & QC Manager