

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-17 08:30:39  
Date of Next Testing: 2026-02-16 08:30:39  
Product Name: **Tris(2,2''-bipyridine)ruthenium(II) hexafluorophosphate**  
CAS Number: 60804-74-2  
Specifications & Purity: 95%  
Lot #: B2311130  
SKU #: **T282797**  
**Analysis: 160299**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	97.37000 %
Appearance (T282797)	Orange to Dark Orange to Dark Red powder,crystals,chunks	Orange to Dark Orange to Dark Red powder,crystals,chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Ruthenium Component	Confirmed	Confirmed



John Su  
QA & QC Manager