

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-01 09:10:34  
Date of Next Testing: 2025-11-30 09:10:34  
Product Name: **Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) bis(perchlorate)**  
CAS Number: 75213-31-9  
Specifications & Purity: 95%  
Lot #: K2228859  
SKU #: **T334581**  
**Analysis: 134693**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.84600 %
Ruthenium (Ru)	7.5-9.3 (%)	7.82 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
ICP: Confirms Ru Component	Confirmed	Confirmed



John Su  
QA & QC Manager