

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-05 12:15:29

Date of Next Testing: 2026-09-04 12:15:29

Product Name: **Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) dichloride complex**

CAS Number: 36309-88-3

Specifications & Purity: $\geq 95\%$

Lot #: I2201688

SKU #: **T109758**

Analysis: **102535**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(NMR)	95-100 (%)	99.46 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Ruthenium Component	Confirmed	Confirmed



John Su
QA & QC Manager