

## Certificate of Analysis

Date of Testing: 2023-07-21 09:46:39  
Date of Next Testing: 2027-07-20 09:46:39  
Product Name: **Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) dichloride complex**  
CAS Number: 36309-88-3  
Specifications & Purity:  $\geq 95\%$   
Lot #: G2315049  
SKU #: **T109758**  
**Analysis:** **175846**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(NMR)	95-100 (%)	99.32 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Ruthenium Component	Confirmed	Confirmed



John Su  
QA & QC Manager