



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-254976  
Lot Number: SAMPLE  
Product Name: Bis(2,2'-bipyridine)-(5-isothiocyanato-phenanthroline)ruthenium bis(hexafluorophosphate)  
CAS Number: 288399-07-5  
Molecular Formula:  $C_{33}H_{23}F_{12}N_7P_2RuS$   
Molecular Weight: 940.65

Test	Specification	Result
Appearance (Color)	Red to deep red	Deep red
Appearance (Form)	Powder to powder with lumps	Powder
Identification (Infrared Spectrum)	Consistent with standard spectrum	Complies
Degree of Coupling	$\geq 60\%$ REL	63 %
Emission Spectrum	$615 \pm 10$ nM	612 nM
Luminescence	Consistent with requirements	Complies

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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