



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-216023
Lot Number: SAMPLE
Product Name: Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) dichloride complex
CAS Number: 36309-88-3
Molecular Formula: $C_{72}H_{48}Cl_2N_6Ru$
Molecular Weight: 1169.17

Test	Specification	Result
Appearance (Color)	Orange to deep violet	Complies
Appearance (Form)	Powder to powder with lumps	Powder
Identification (1H -NMR)	Consistent with structure	Complies
Purity (HPCE)	$\geq 95\%$	98.6%
Fluorescence Emission Max	615 ± 5 nm	619 nm
Luminescence	Exc: 455 nm in 0.1 M Phosphate pH 7.0	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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