



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-295928  
Lot Number: SAMPLE  
Product Name: Nile Blue chloride  
CAS Number: 2381-85-3  
Molecular Formula:  $C_{20}H_{20}N_3O \cdot Cl$   
Molecular Weight: 353.85

Test	Specification	Result
Appearance		Black to very dark green powder
Identification (Infrared Spectrum)		Consistent with structure
Dye Content		91.2%
UV Absorption		Absorption Ratio ( $A_{\max - 15 \text{ nm}} / A_{\max + 15 \text{ nm}}$ ) = 1.05 Absorptivity ( $A_{1\%} / 1 \text{ cm}$ at $\lambda_{\max}$ , in 50% E thanol) = 1698.02 $\lambda_{\max}$ 636 nm in 50% Ethanol
Loss on Drying		1.84% (110 °C/1 h)
Suitability	Suitable for microscopy	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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