

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	22869
<b>Lot Number</b>	000331-27123
<b>Product</b>	<b>Nile Blue Chloride</b>  5-Amino-9-diethyliminobenzo[ $\alpha$ ]phenoxazonium chloride  Basic Blue 12
<b>CAS Number</b>	2381-85-3
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>20</sub> N <sub>3</sub> OCl
<b>Molecular Weight</b>	353.85

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<b>Appearance</b>	Very dark green powder
<b>Solubility</b>	Soluble in Water (2mg/mL); Soluble in EGME (4mg/mL); Soluble in EtOH (2mg/mL)
<b>Infrared Spectrum</b>	Conforms to structure
<b>UV Ratios</b>	$\lambda_{\max}$ 638 nm in 50% Ethanol
<b>Loss on Drying</b>	2.4% (110 °C/ 1 h)
<b>Dye content</b>	> 85%
<b>Storage</b>	Store at RT
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager