



## CERTIFICATE OF ANALYSIS

**Catalog Number** C044  
**Product Name** Rhodamine 123  
**CAS Number** 62669-70-9  
**Molecular Formula** C<sub>21</sub>H<sub>17</sub>ClN<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** 380.83  
**Appearance** red solid  
**Lot Number** AB1029

	LOT DATA	SPECIFICATION
<b>Absorption</b> <sup>1</sup> Maximum Extinction	507 nm 97,000 cm <sup>-1</sup> M <sup>-1</sup>	507 ± 3 nm 101,000 ± 7,000 cm <sup>-1</sup> M <sup>-1</sup>
<b>Fluorescence</b> <sup>1</sup> Emission Maximum	530 nm	530 ± 4 nm
<b>HPLC</b> Purity	95 % at 254 nm	≥ 90 % at 254 nm
<b>NMR</b> Result	meets specification	consistent with structure

1. Solvent: Methanol.