

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-12 16:18:48  
Date of Next Testing: 2025-09-11 16:18:48  
Product Name: **Rhodamine B base**  
CAS Number: 509-34-2  
Specifications & Purity: Dye content 97 %  
Lot #: I2205239  
SKU #: **R334821**  
**Analysis: 111168**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	99.95 %
Wavelength(C=0.0025 g/L in Methanol)	542-546 (nm)	542.00000 nm
Carbon by Elemental Analysis	73.3-78.6 (%)	76.19 %
Nitrogen by Elemental Analysis	6.1-6.6 (%)	6.10 %
Extinction Coefficient	>103000	103055.00
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in Ethanol, c=1mg/ml ,Orange and Red to Dark Red and Orange-Red and Red-Orange,Clear to Slightly Hazy	Pass	Pass



John Su  
QA & QC Manager