

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-11 09:36:12  
Date of Next Testing: 2028-12-10 09:36:12  
Product Name: **Rhodamine 123**  
CAS Number: 62669-70-9  
Specifications & Purity:  $\geq 98\%$   
Lot #: L2405098  
SKU #: **R299309**  
Version: **0**  
Analysis #: **298146**  
Storage Temperature: Store at 2-8°C

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Nitrogen by Elemental Analysis (anhydrous)                          | 6.8-7.9 (%)           | 7.20 %                |
| Carbon by Elemental Analysis(anhydrous)                             | 65-66.7 (%)           | 65.03 %               |
| Water by Karl Fischer   | 0-10 (%)              | 4.28 %                |
| Purity(UV-Vis)  | 98-100 (%)            | 98.01 %               |
| Appearance (R299309)  | red to brown powder   | red to brown powder   |
| Proton NMR spectrum   | Conforms to Structure | Conforms to Structure |
| Solubility in EtOH , Yellow-Orange Clear to Slightly Hazy(C=1mg/ml) | pass                  | Pass                  |



John Su  
QA & QC Manager