

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-22 11:29:33

Date of Next Testing: 2027-12-21 11:29:33

Product Name: **Rhodamine 123**

CAS Number: 62669-70-9

Specifications & Purity: 98%

Lot #: L2318380

SKU #: **R299309****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