

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-13 15:26:28
 Date of Next Testing: 2029-10-12 15:26:28
 Product Name: **Rhodamine 110 chloride**
 CAS Number: 13558-31-1
 Specifications & Purity: laser grade, ≥97%
 Lot #: L2121212
 SKU #: **R299349**
 Version: **0**
 Analysis #: **586412**
 Storage Temperature: Protected from light, Store at -20°C

Parameter	Limit Values	Result
λ max(c=10mg/l in mEtOH)	498-504 (nm)	501.00000 nm
Molar absorption coeff(λ max.)	≥77000 (L/cm.g)	78000.00000 L/cm.g
Purity(HPLC)	97-100 (%)	98.90000 %
Appearance (R299349)	Red to Green to Dark Green Powder, Crystals or Solid	Red to Green to Dark Green Powder, Crystals or Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Suitability test(laser dye)	passes	passes



John Su
QA & QC Manager