

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-19 10:01:03
Date of Next Testing: 2026-09-18 10:01:03
Product Name: **Rhodamine 110 chloride**
CAS Number: 13558-31-1
Specifications & Purity: laser grade,97%
Lot #: I2212320
SKU #: **R299349**
Analysis: 123872
Storage Temperature: Protected from light,Store at -20°C

Parameter	Limit Values	Result
λ max(c=10mg/l in mEtOH)	498-504 (nm)	502.30 nm
Molar absorption coeff(λ max.)	≥ 77000 (L/cm.g)	78620.30 L/cm.g
Purity(HPLC)	97-100 (%)	97.00000 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Suitability test(laser dye)	passes	passes
Appearance (R299349)	Red to Green to Dark Green Powder, Crystals or Solid	Red to Green to Dark Green Powder, Crystals or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager