

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-13 13:27:32
Date of Next Testing: 2027-12-12 13:27:32
Product Name: **Lissamine rhodamine B**
CAS Number: 3520-42-1
Specifications & Purity: >98% (HPLC)
Lot #: K2330235
SKU #: **L109289**
Analysis: **298048**

| Parameter | Limit Values | Result |
|---|---|---|
| Purity(HPLC) | 98-100 (%) | 98.80000 % |
| Absorbance(E1%1cm)(1.5g/L AcONH4 sol., 564.0 to 568.0 nm) | ≥1800 | 1919.00 |
| Carbon by Elemental Analysis | 54.2-56.3 (%) | 55.23 % |
| Nitrogen by Elemental Analysis | 4.2-5.3 (%) | 4.95 % |
| Appearance (L109289) | Green to Brown to Purple powder or crystals | Green to Brown to Purple powder or crystals |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in MeOH , Orange to Red to Orange-Red ,Clear,1 mg/ml | pass | Pass |



John Su
QA & QC Manager