

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-07 12:54:41  
Date of Next Testing: 2026-12-06 12:54:41  
Product Name: **Xanthene-9-carboxylic acid**  
CAS Number: 82-07-5  
Specifications & Purity: 98%  
Lot #: L2201250  
SKU #: **X113959**  
Analysis: **139346**

| Parameter                        | Limit Values  | Result  |
|----------------------------------|---|---|
| Purity(Neutralization titration) | 98-100 (%)  | 99.86 %   |
| Melting point                    | 210-217 (°C)  | 216.52000 °C  |
| Appearance (X113959)             | White to Light Yellow to Dark Cream to Brown to Gray Crystals or Powder or Powder with Chunk(s) or Crystalline Powder or Lumps or Fused Solid | White to Light Yellow to Dark Cream to Brown to Gray Crystals or Powder or Powder with Chunk(s) or Crystalline Powder or Lumps or Fused Solid |
| Proton NMR spectrum              | Conforms to Structure   | Conforms to Structure   |



John Su  
QA & QC Manager