

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-20 17:07:06

Date of Next Testing: 2026-12-19 17:07:06

Product Name: **5-Norbornene-2,3-dicarboxylic Acid**

CAS Number: 3813-52-3

Specifications & Purity: >98.0%

Lot #: L2209961

SKU # **N159847**

**Analysis: 149398**

| Parameter                  | Limit Values                                  | Result                                        |
|----------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity (Titration by NaOH) | 97.5-102.5 (%)                                | 99.47 %                                       |
| Appearance (N159847)       | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum        | Conforms to Structure                         | Conforms to Structure                         |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager