

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-04 14:35:49

Date of Next Testing: 2029-09-03 14:35:49

Product Name: **1,2-Ethanedisulfonic acid hydrate**

CAS Number: 110-04-3

Specifications & Purity:  $\geq 95\%$ (T)

Lot #: K2123100

SKU #: **E156417**

Version: **0**

Analysis #: **567148**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                | Limit Values          | Result                |
|----------------------------------------------------------|-----------------------|-----------------------|
| Water by Karl Fischer                                    | 0-17 (%)              | 14.27000 %            |
| Purity(Neutralization titration)(calcd.on anh.substance) | 95-105 (%)            | 97.80000 %            |
| Melting point                                            | 111-115 (°C)          | 112.24000 °C          |
| Proton NMR spectrum                                      | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager