

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-06 11:38:09  
 Date of Next Testing: 2027-11-06 11:38:09  
 Product Name: **Trifluoromethanesulfonic anhydride**  
 CAS Number: 358-23-6  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: J2531594  
 SKU #: **T106649**  
 Version: **1**  
 Analysis #: **594398**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                 | Limit Values                          | Result                                |
|-------------------------------------------|---------------------------------------|---------------------------------------|
| Purity(Neutralization titration)          | 98-102 (%)                            | 99.18000 %                            |
| Trifluoromethanesulfonic Acid(Proton NMR) | 0-1 (%)                               | 0.13000 %                             |
| Refractive index n <sub>20/D</sub>        | 1.321-1.323                           | 1.32200                               |
| Appearance (T106649)                      | Clear colorless to pale yellow Liquid | Clear colorless to pale yellow liquid |
| Infrared spectrum                         | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager