

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-12 09:38:46  
Date of Next Testing: 2024-07-11 09:38:46  
Product Name: **Trifluoromethanesulfonic anhydride**  
CAS Number: 358-23-6  
Specifications & Purity: 98%  
Lot #: F2230301  
SKU #: **T106649**  
**Analysis: 112455**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Trifluoromethanesulfonic Acid(Proton NMR)	0-1 (%)	0.23 %
Refractive index n <sub>20</sub> /D	1.321-1.323	1.32
Purity(Neutralization titration)	98-102 (%)	99.65 %
Density (20°C)	1.718-1.725	1.72
Appearance (T106649)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager