

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-11 17:16:21  
Date of Next Testing: 2026-06-10 17:16:21  
Product Name: **o-Toluenesulfonyl Chloride (contains ca. 23% isomer)**  
CAS Number: 133-59-5  
Specifications & Purity: >75.0%(GC)  
Lot #: F2210077  
SKU #: **O160017**  
**Analysis: 091912**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	75-100 (%)	78.80%
Purity(Argentmetric Titration)	97.5-102.5 (%)	99.70%
Appearance (O160017)	Colorless to Light yellow clear liquid	Colorless to Light yellow clear liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager