

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-01-21 17:18:35  
Date of Next Testing: 2024-01-11 17:18:35  
Product Name: **p-Toluenesulfonyl chloride(PTSC)**  
CAS Number: 98-59-9  
Specifications & Purity: Analytical Reagent,99%  
Lot #: A2220140  
SKU #: **T104623**  
**Analysis: 064549**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	99-101 (%)	100.50 %
Melting point	67-71 (°C)	70.51000 °C
Purity(GC)	99-100 (%)	99.30 %
Appearance (T104623)	White to Off-White Crystals, Powder or Granular	White to Off-White Crystals, Powder or Granular
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH , Clear Colorless to Very Faint Yellow,10%	pass	Pass



John Su  
QA & QC Manager