

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-29 18:34:05  
Date of Next Testing: 2026-08-19 18:34:05  
Product Name: **p-Toluenesulfonyl chloride(PTSC)**  
CAS Number: 98-59-9  
Specifications & Purity: Analytical Reagent,99%  
Lot #: H2420179  
SKU #: **T104623**  
Version: **0**  
Analysis #: **396891**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	99-101 (%)	99.90%
Melting point	67-71 (°C)	69.01000 °C
Purity(GC)	99-100 (%)	99.01%
Appearance (T104623)	White to Off-White Crystals, Powder or Granular	White to Off-White Crystals, Powder or Granular
Solubility in EtOH , Clear Colorless to Very Faint Yellow,10%	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager