

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2022-12-03 17:10:57
Date of Next Testing:	2024-11-22 17:10:57
Product Name:	<b>p-Toluenesulfonyl chloride(PTSC)</b>
CAS Number:	98-59-9
Specifications & Purity:	Analytical Reagent,99%
Lot #:	L2202307
SKU #	<b>T104623</b>
<b>Analysis:</b>	<b>142010</b>
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	99-101 (%)	99.96 %
Melting point	67-71 (°C)	70.45000 °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