

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-15 10:51:25  
Date of Next Testing: 2024-09-04 10:51:25  
Product Name: **p-Toluenesulfonyl chloride(PTSC)**  
CAS Number: 98-59-9  
Specifications & Purity: reagent grade,98%  
Lot #: K2005023  
SKU #: **T104622**  
**Analysis: 134830**

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	98-102 (%)	98.16 %
Purity(GC)	98-100 (%)	98.11 %
Melting point	67-71 (°C)	69.40000 °C
Appearance (T104622)	White to off-white powder, needles and/or Chunks	White to off-white powder, needles and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager