

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-14 17:10:25  
Date of Next Testing: 2027-02-13 17:10:25  
Product Name: **p-Toluenesulfonic Anhydride**  
CAS Number: 4124-41-8  
Specifications & Purity: >95.0%(T)  
Lot #: B2309438  
SKU #: **P160099**  
**Analysis:** **166301**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by Coupling)	95-105 (%)	102.11 %
Melting point	121-130 (°C)	121.14000 °C
Appearance (P160099)	white to grey powder or crystals and/or chunks	white to grey powder or crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager