

## Certificate of Analysis

Date of Testing: 2024-04-16 15:04:37  
Date of Next Testing: 2028-04-15 15:04:37  
Product Name: **p-Toluenesulfonic Anhydride**  
CAS Number: 4124-41-8  
Specifications & Purity: >95.0%(T)  
Lot #: D2412220  
SKU #: **P160099**  
**Analysis:** **329674**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by Coupling)	95-105 (%)	98.62 %
Melting point	121-130 (°C)	122.48000 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (P160099)	white to grey powder or crystals and/or chunks	white to grey powder or crystals and/or chunks



John Su  
QA & QC Manager