

Certificate of Analysis

Date of Testing: 2022-12-06 12:51:42
Date of Next Testing: 2026-12-05 12:51:42
Product Name: **p-Toluenesulfonic acid monohydrate**
CAS Number: 6192-52-5
Specifications & Purity: Analytical Reagent, ≥98.5%
Lot #: K22301374
SKU #: **T104290**
Analysis: 143572
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration) (after drying)	98-102 (%)	99.60 %
Water by Karl Fischer	9.5-11.5 (%)	10.14 %
Purity(HPLC)	98.5-100 (%)	99.97400 %
Melting point	104-107 (°C)	103.58000 °C
Appearance (T104290)	white to off-white powder,crystals,flakes or chunk	white to off-white powder,crystals,flakes or chunk
Solubility in H2O	Almost transparency	almost transparency
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager