

Certificate of Analysis

Date of Testing: 2023-06-08 10:34:39
 Date of Next Testing: 2027-06-07 10:34:39
 Product Name: **p-Toluenesulfonic acid monohydrate**
 CAS Number: 6192-52-5
 Specifications & Purity: Analytical Reagent, ≥98.5%
 Lot #: F2301903
 SKU #: **T104290**
Analysis: **223649**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration) (after drying)	98-102 (%)	99.90 %
Melting point	103-107 (°C)	103.16000 °C
Purity(HPLC)	98.5-100 (%)	99.82200 %
Water by Karl Fischer	9.5-11.5 (%)	11.46 %
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