

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-13 17:39:36
 Date of Next Testing: 2026-12-12 17:39:36
 Product Name: **p-Toluenesulfonic acid monohydrate**
 CAS Number: 6192-52-5
 Specifications & Purity: AR, ≥98.5%
 Lot #: K22301370
 SKU #: **T104290**
 Version: **2**
 Analysis #: **143572**
 Storage Temperature: Room temperature, Argon charged, Cool

Parameter	Limit Values	Result
Purity(Neutralization titration) (after drying)	98-102 (%)	99.60000 %
Water by Karl Fischer	9.5-11.5 (%)	10.13730 %
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 H ₂ O	Almost transparency	almost transparency
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager