

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-30 16:33:32
 Date of Next Testing: 2026-08-29 16:33:32
 Product Name: **p-Toluenesulfonic acid monohydrate**
 CAS Number: 6192-52-5
 Specifications & Purity: ACS, ≥98.5%
 Lot #: H2219539
 SKU #: **T118454**
 Version: **1**
 Analysis #: **122533**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.001 (%)	0.00015 %
Purity(HPLC)	98.5-100 (%)	99.76300 %
Water by Karl Fischer	9.5-11.5 (%)	11.45460 %
Ignition Residue	0-0.1 (%)	0.00000 %
Sodium(Na)	0-0.002 (%)	0.00000 %
Sulfate(SO42-)	0-0.3 (%)	0.06200 %
Melting point	103-106 (°C)	105.63000 °C
Iron(Fe)	0-0.01 (%)	0.00100 %
Appearance (T118454)	White Powder or Crystals	White Powder or Crystals
Clarity of solution, 10g/50ml, Water	Clear	Clear



John Su
QA & QC Manager