

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-05 14:35:09

Date of Next Testing: 2029-08-04 14:35:09

Product Name: **p-Toluenesulfonic acid monohydrate**

CAS Number: 6192-52-5

Specifications & Purity: ACS, ≥98.5%

Lot #: G2526052

SKU #: **T118454**

Version: **1**

Analysis #: **550942**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-0.001 (%)	0.00045 %
Purity(HPLC)	98.5-100 (%)	100.00000 %
Water by Karl Fischer	9.5-11.5 (%)	11.50000 %
Ignition Residue	0-0.1 (%)	0.03700 %
Sodium(Na)	0-0.002 (%)	0.00100 %
Sulfate(SO42-)	0-0.3 (%)	0.14000 %
Melting point	103-106 (°C)	104.68000 °C
Iron(Fe)	0-0.01 (%)	0.00200 %
Appearance (T118454)	White Powder or Crystals	White Powder or Crystals
Clarity of solution, 10g/50ml, Water	Clear	Clear
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager