



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : p-TOLUENE SULFONIC ACID FOR SYNTHESIS**

**CAS No : 6192-52-5**                      **Product code : 19580**  
**Mol. Formula : C<sub>7</sub>H<sub>8</sub>O<sub>3</sub>S.H<sub>2</sub>O**                      **Batch No : MCR-23347**  
**Mol. WT : 190.21**                      **Mfd. : May 2021**  
**Date of Analysis : 07/05/21**                      **Exp. : April 2026**

<b>S. R</b>	<b>Test</b>	<b>Specification</b>	<b>Observation</b>
1	<b>Description</b>	White to off white crystals or crystalline hygroscopic powder.	White crystalline hygroscopic powder
2	<b>Assay (acidimetric)</b>	99 % w/w min	99.80% w/w
3	<b>Melting Point</b>	100-105 <sup>0</sup> C	103.2 <sup>0</sup> C
4	<b>Sulphated Ash</b>	0.2 % max	0.08%
5	<b>Chloride(Cl)</b>	0.01 % max	< 0.01 %

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**HEAD-QUALITY ASSUARANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

**MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)**  
**Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)**  
**Works: Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503**