



## 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-21906**  
**Mol. WT : 190.21**                      **Mfd. : Sept. 2020**  
**Date of analysis : 02/09/20**                      **Exp. : Aug. 2025**

S. R	Test	Specification	Observation
1	<b>Description</b>	White to off white crystals or crystalline hygroscopic powder.	Off white crystalline hygroscopic powder.
2	<b>Assay (acidimetric)</b>	99 % w/w min	99.24% w/w
3	<b>Melting Point</b>	100-105°C	101.0°C
4	<b>Sulphated Ash</b>	0.2 % max	0.1%
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.

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