



## 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-20405**  
**Mol. WT : 190.21**                      **Mfd. : Dec. 2019**  
**Date of analysis : 17/12/19**                      **Exp. : Nov. 2024**

S. R	Test	Specification	Observation
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	99.72% w/w
3	<b>Melting Point</b>	100-105 <sup>0</sup> C	102.8 <sup>0</sup> C
4	<b>Sulphated Ash</b>	0.2 % max	0.12%
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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