

## CERTIFICATE OF ANALYSIS

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

<b>CAS No</b>	: 6192-52-5	<b>Product code</b>	: 19580
<b>Mol. Formula</b>	: C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> S.H <sub>2</sub> O	<b>Batch No</b>	: MCR-32983
<b>Mol. WT</b>	: 190.21	<b>Mfd.</b>	: Jan. 2025
<b>Date of Analysis</b>	: 21/01/25	<b>Exp.</b>	: Dec. 2029

S. R	Test	Specification	Observation
1	<b>Description</b>	White to off white crystals or crystalline hygroscopic powder or powder.	Off white crystalline powder.
2	<b>Assay (acidimetric)</b>	99 %w/w min	99.68%w/w
3	<b>Melting Point</b>	100-105°C	100.3°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]**



**CHEMIST  
(Deepa)**



**[QC Incharge]**



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

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