



## CERTIFICATE OF ANALYSIS

Date: 11/07/18

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-16489  
Mol. WT : 190.21                      Mfd. : July 2018  
Exp. : June 2023

S. R	Test	Specification	Observation
1	Description	White to off white crystals or crystalline hygroscopic powder.	off white crystalline hygroscopic powder.
2	Assay (acidimetric)	99 % w/w min	99.59% w/w
3	Melting Point	100-105 <sup>0</sup> C	104.8 <sup>0</sup> C
4	Sulphated Ash	0.2 % max	0.1%
5	Chloride(Cl)	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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