



## CERTIFICATE OF ANALYSIS

Date: 23/12/17

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-15038  
Mol. WT : 190.21                      Mfd. : Dec. 2017  
Exp. : Nov. 2022

S. R	Test	Specification	Observation
1	Assay (acidimetric)	99 % w/w min	99.82% w/w
2	Melting Point	100-105 <sup>0</sup> C	102.2 <sup>0</sup> C
3	Sulphated Ash	0.2 % max	0.05%
4	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.

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