



CERTIFICATE OF ANALYSIS

PRODUCT NAME : p-TOLUENE SULFONIC ACID FOR SYNTHESIS

CAS No : 6192-52-5 **Product code : 19580**
Mol. Formula : C₇H₈O₃S.H₂O **Batch No : MCR-18790**
Mol. WT : 190.21 **Mfd. : June 2019**
Date of analysis : 13/06/19 **Exp. : May 2024**

| 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 ⁰ C | 102.6 ⁰ C |
| 4 | Sulphated Ash | 0.2 % max | 0.14% |
| 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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