CERTIFICATE OF ANALYSIS

PRODUCT NAME : p-TOLUENE SULFONIC ACID FOR SYNTHESIS

CAS No	**: 6192-52-5**	**Product code**	**: 19580**
Mol. Formula	**: $C_7H_8O_3S.H_2O$**	**Batch No**	**: MCR-29487**
Mol. WT	**: 190.21**	**Mfd.**	**: Oct. 2023**
Date of Analysis	**: 12/10/23**	**Exp.**	**: Sept. 2028**

S. R	Test	Specification	Observation
1	**Description**	White to off white crystals or crystalline hygroscopic powder or powder.	White crystalline hygroscopic powder.
2	**Assay (acidimetric)**	99 %w/w min	99.15%w/w
3	**Melting Point**	100-105^{0}C	100.8^{0}C
4	**Sulphated Ash**	0.2 % max	0.11%
5	**Chloride(Cl)**	0.01 % max	< 0.01 %

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By] **[QC Incharge]**

CHEMIST
(Asmita)

HEAD-QUALITY ASSURANCE
(G.G.Salian)

Note: Computer generated image requires no sign.