

SPECIFICATION

Para-Toluenesulphonic Acid Monohydrate

| Parameters | Specification |
|-------------------|--|
| CAS Number | 6192-52-5 |
| Appearance | White crystalline solid |
| Molecular Formula | C ₇ H ₁₀ O ₄ S |
| Molecular Weight | 208.21 g/mol |
| Boiling Point | 210 °C |
| Melting Point | 60 °C |
| Flash Point | 160 °C |
| Purity | 98–99% |
| Refractive Index | 1.522 |
| Solubility | Soluble in water; soluble in alcohols; soluble in many organic solvents |
| Uses | Used as a strong organic acid catalyst in esterifications, alkylations, and other organic syntheses; commonly employed in peptide synthesis and polymerization reactions |

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