

## SPECIFICATION

## p-Toluenesulfonic Acid Monohydrate

for RoHS

REQUIREMENT	SPECIFICATION
Appearance	White, crystals ~ crystalline powder
Assay (C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> S · H <sub>2</sub> O)(after drying)	min.99.0%(mass/mass)
Solubility in water	to pass test
Melting point	104~107°C
Loss on drying	max.2.0%(mass/mass)
Residue after ignition (as sulfate)	max.0.05%(mass/mass)
Chloride (Cl)	max.0.001%(mass/mass)
Sulfate (SO <sub>4</sub> )	max.0.1%(mass/mass)
Sodium (Na)	max.0.002%(mass/mass)
Copper (Cu)	max.0.001%(mass/mass)
Lead (Pb)	max.0.001%(mass/mass)
Iron (Fe)	max.0.001%(mass/mass)
Cadmium (Cd) (RoHS)	max.10ppm
Mercury (Hg) (RoHS)	max.10ppm
Lead (Pb) (RoHS)	max.10ppm
Chromium (Cr) (RoHS)	max.10ppm
Brominated flame retardants (as Br) (RoHS)	max.1ppm