

SPECIFICATION

p-Toluenesulfonic Acid Monohydrate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (C ₇ H ₈ O ₃ S · H ₂ 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 ₄)	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)

JIS K 8681 : 2019(*:Additional test performed by Wako but not required by JIS)