

SPECIFICATION

Benzoic Acid
Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (C ₇ H ₆ O ₂) (volumetric titration)	min.99.5%(mass/mass)
Solubility in ammonia solution	to pass test
Solubility in ethanol	to pass test
Melting point	121~124°C
Residue after ignition (as sulfate)	max.0.005%(mass/mass)
Chlorine compounds (as Cl)	max.0.005%(mass/mass)
Sulfur compounds (as SO ₄)	max.0.003%(mass/mass)
Heavy metals (as Pb)	max.5ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Substances reducing permanganate (as O)	max.0.01%(mass/mass)

JIS K 8073:2017

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