

Code No.02-0098

## SPECIFICATION

## Benzoic Acid

## Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (C <sub>7</sub> H <sub>6</sub> O <sub>2</sub> ) (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 <sub>4</sub> )	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)