

## SPECIFICATION

## Citric Acid Monohydrate

## Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> ·H <sub>2</sub> O)	min.99.5%(mass/mass)
Solubility in water	to pass test
Solubility in ethanol	to pass test
Residue after ignition (as sulfate)	max.0.02%(mass/mass)
Chloride (Cl)	max.5ppm(mass/mass)
Phosphate (PO <sub>4</sub> )	max.0.001%(mass/mass)
Sulfur compounds (as SO <sub>4</sub> )	max.0.005%(mass/mass)
Copper (Cu)	max.1ppm(mass/mass)
Calcium (Ca)	max.0.002%(mass/mass)
Zinc (Zn)	max.1ppm(mass/mass)
Lead (Pb)	max.1ppm(mass/mass)
Iron (Fe)	max.3ppm(mass/mass)
Oxalic acid (C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> )	max.0.01%(mass/mass)
Substances darkened by sulfuric acid	to pass test

JIS K 8283:2006(\*:Additional test performed by Wako but not required by JIS)