

SPECIFICATION

Citric Acid Monohydrate

Guaranteed Reagent

| REQUIREMENT | SPECIFICATION |
|--|--------------------------------------|
| * Appearance | White, crystals ~ crystalline powder |
| Assay (C ₆ H ₈ O ₇ ·H ₂ 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 ₄) | max.0.001%(mass/mass) |
| Sulfur compounds (as SO ₄) | 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 ₂ H ₂ O ₄) | 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)