2024/04/25
Distributed by FUJIFILM Wako Pure Chemical Corporation
Manufactured by FUJIFILM Wako Pure Chemical Corporation

Code No.03-2007

# SPECIFICATION

## Citric Acid Monohydrate

for RoHS

| REQUIREMENT | SPECIFICATION |
|---|---|
| Appearance | White, crystals ～ crystalline powder |
| Assay ($C_6H_8O_7 \cdot H_2O$) | 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 ($C_2H_2O_4$) | max.0.01%(mass/mass) |
| Substances darkened by sulfuric acid | to pass test |
| Cadmium (Cd) (RoHS) | max.10ppm |
| Mercury (Hg) (RoHS) | max.10ppm |
| Lead (Pb) (RoHS) | max.1ppm |
| Chromium (Cr) (RoHS) | max.10ppm |
| Brominated flame retardants (as Br) (RoHS) | max.1ppm |



revised on 2014/09/11