

## SPECIFICATION

Trisodium Citrate Dihydrate  
for RoHS

REQUIREMENT	SPECIFICATION
Appearance	White, crystals ~ crystalline powder
Assay (C <sub>6</sub> H <sub>5</sub> Na <sub>3</sub> O <sub>7</sub> ·2H <sub>2</sub> O)	min.99.0%(mass/mass)
Solubility in water	to pass test
pH of a 50g/l solution at 25°C	7.5~9.0
Chloride (Cl)	max.0.001%(mass/mass)
Phosphate (PO <sub>4</sub> )	max.0.002%(mass/mass)
Sulfur compounds (as SO <sub>4</sub> )	max.0.005%(mass/mass)
Nitrogen compounds (as N)	max.0.001%(mass/mass)
Copper (Cu)	max.1ppm(mass/mass)
Calcium (Ca)	max.0.002%(mass/mass)
Lead (Pb)	max.3ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Substances darkened by sulfuric acid	to pass test
Cadmium (Cd) (RoHS)	max.10ppm
Mercury (Hg) (RoHS)	max.10ppm
Lead (Pb) (RoHS)	max.3ppm
Chromium (Cr) (RoHS)	max.10ppm
Brominated flame retardants (as Br) (RoHS)	max.1ppm