

# SPECIFICATION

## Sodium Carbonate

for RoHS

REQUIREMENT	SPECIFICATION
Appearance	White, powder or granules
Assay (Na <sub>2</sub> CO <sub>3</sub> ) (after ignition)	min.99.8%(mass/mass)
Solubility in water	to pass test
Loss on ignition at 600°C	max.1.0%(mass/mass)
Chloride (Cl)	max.0.002%(mass/mass)
Phosphate (PO <sub>4</sub> )	max.0.002%(mass/mass)
Silicate (as SiO <sub>2</sub> )	max.0.005%(mass/mass)
Sulfate (SO <sub>4</sub> )	max.0.003%(mass/mass)
Nitrogen compounds (as N)	max.0.001%(mass/mass)
Potassium (K)	max.0.01%(mass/mass)
Copper (Cu)	max.2ppm(mass/mass)
Magnesium (Mg)	max.0.002%(mass/mass)
Calcium (Ca)	max.0.005%(mass/mass)
Zinc (Zn)	max.2ppm(mass/mass)
Aluminium (Al)	max.0.001%(mass/mass)
Lead (Pb)	max.2ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Cadmium (Cd) (RoHS)	max.10ppm
Mercury (Hg) (RoHS)	max.10ppm
Lead (Pb) (RoHS)	max.2ppm
Chromium (Cr) (RoHS)	max.10ppm
Brominated flame retardants (as Br) (RoHS)	max.1ppm