

SPECIFICATION

Sodium Carbonate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, powder or granules
Assay (Na ₂ CO ₃) (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 ₄)	max.0.002%(mass/mass)
Silicate (as SiO ₂)	max.0.005%(mass/mass)
Sulfate (SO ₄)	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)

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(*:Additional test performed by Wako but not required by JIS)