

SPECIFICATION

Potassium Carbonate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, granules ~ powder
Assay (K ₂ CO ₃) (after ignition)	min.99.5%(mass/mass)
Solubility in water	to pass test
Loss on ignition (650°C)	max.1.5%(mass/mass)
Chloride (Cl)	max.0.003%(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)
Sodium (Na)	max.0.05%(mass/mass)
Copper (Cu)	max.5ppm(mass/mass)
Magnesium (Mg)	max.5ppm(mass/mass)
Calcium (Ca)	max.0.001%(mass/mass)
Zinc (Zn)	max.2ppm(mass/mass)
Lead (Pb)	max.5ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)

JIS K 8615:2022(*:Additional test performed by Wako but not required by JIS)