

SPECIFICATION

Potassium Iodide

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (KI)	min.99.5%(mass/mass)
Solubility in water	to pass test
Loss on drying at 110°C	max.0.2%(mass/mass)
pH of a 50g/l solution at 25°C	6.0~8.0
Chlorine compounds and bromine compounds (as Cl)	max.0.01%(mass/mass)
Iodate or substances reducing iodine	to pass test
Phosphate (PO ₄)	max.0.001%(mass/mass)
Sulfate (SO ₄)	max.0.001%(mass/mass)
Nitrogen compounds (as N)	max.0.001%(mass/mass)
Heavy metals (as Pb)	max.5ppm(mass/mass)
Sodium (Na)	max.0.02%(mass/mass)
Magnesium (Mg)	max.0.001%(mass/mass)
Calcium (Ca)	max.0.001%(mass/mass)
Barium (Ba)	max.0.001%(mass/mass)
Arsenic (As)	max.0.1 ppm(mass/mass)
Iron (Fe)	max.3ppm(mass/mass)

JIS K 8913:2006(*:Additional test performed by Wako but not required by JIS)