

SPECIFICATION

Potassium Bromide

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (KBr) (after drying)	min.99.0%(mass/mass)
Solubility in water	to pass test
Loss on drying at 105°C	max.0.5%(mass/mass)
pH of a 50g/L solution at 25°C	5.0~8.0
Bromate (BrO ₃)	max.0.001%(mass/mass)
Chloride (Cl)	max.0.1%(mass/mass)
Iodide (I)	max.0.01%(mass/mass)
Sulfate (SO ₄)	max.0.003%(mass/mass)
Sodium (Na)	max.0.1%(mass/mass)
Magnesium (Mg)	max.0.001%(mass/mass)
Calcium (Ca)	max.0.001%(mass/mass)
Copper (Cu)	max.5ppm(mass/mass)
Lead (Pb)	max.5ppm(mass/mass)
Barium (Ba)	max.0.002%(mass/mass)
Iron (Fe)	max.3ppm(mass/mass)
Nitrogen compounds (as N)	max.0.001%(mass/mass)
Substances reducing permanganate (as O)	max.2ppm(mass/mass)

JIS K 8506:2017(*:Additional test performed by Wako but not required by JIS)