

SPECIFICATION

Potassium Nitrate

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	White crystals
Assay (KNO ₃)	min.99.0%(mass/mass)
Solubility in water	to pass test
pH of a 50g/L solution at 25°C	5.0~8.0
Chloride (Cl)	max.0.001%(mass/mass)
Iodate and nitrite	to pass test
Phosphate (PO ₄)	max.5ppm(mass/mass)
Sulfate (SO ₄)	max.0.003%(mass/mass)
Sodium (Na)	max.0.005%(mass/mass)
Copper (Cu)	max.2ppm(mass/mass)
Calcium (Ca)	max.0.001%(mass/mass)
Lead (Pb)	max.3ppm(mass/mass)
Iron (Fe)	max.3ppm(mass/mass)
Ammonium (NH ₄)	max.0.001%(mass/mass)

JIS K 8548:2023(*:Additional test performed by Wako but not required by JIS)