

SPECIFICATION

Perchloric Acid

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	Colorless clear liquid
Assay (HClO ₄)	70.0~72.0%(mass/mass)
Residue after ignition (as sulfate)	max.0.003%(mass/mass)
Chloride (Cl)	max.3ppm(mass/mass)
Chlorate (ClO ₃)	max.0.001%(mass/mass)
Free chlorine (Cl)	max.5ppm(mass/mass)
Phosphate and silicate (as SiO ₂)	max.0.005%(mass/mass)
Sulfate (SO ₄)	max.0.001%(mass/mass)
Nitrogen compounds (as N)	max.0.002%(mass/mass)
Copper (Cu)	max.0.1 ppm(mass/mass)
Silver (Ag)	max.1 ppm(mass/mass)
Lead (Pb)	max.0.1 ppm(mass/mass)
Arsenic (As)	max.0.05ppm(mass/mass)
Manganese (Mn)	max.0.3ppm(mass/mass)
Iron (Fe)	max.1 ppm(mass/mass)

JIS K 8223:2022(*:Additional test performed by Wako but not required by JIS)The assay of this product is approximately 70% (mass/mass).