

## SPECIFICATION

## Perchloric Acid

## Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	Colorless clear liquid
Assay (HClO <sub>4</sub> )	60.0~62.0%(mass/mass)
Residue after ignition (as sulfate)	max.0.003%(mass/mass)
Chloride (Cl)	max.3ppm(mass/mass)
Chlorate (ClO <sub>3</sub> )	max.0.001%(mass/mass)
Free chlorine (Cl)	max.5ppm(mass/mass)
Phosphate and silicate (as SiO <sub>2</sub> )	max.0.005%(mass/mass)
Sulfate (SO <sub>4</sub> )	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 60% (mass/mass).