

## SPECIFICATION

## Hydrochloric Acid

for Medicine Test

REQUIREMENT	SPECIFICATION
* Description	Colorless clear liquid
Assay (HCl)	35.0~37.0%(mass/mass)
Appearance	to pass test
Residue after evaporation	max.0.001%(mass/mass)
Residue after ignition (as sulfate)	max.5ppm(mass/mass)
Sulfate (SO <sub>4</sub> )	max.1ppm(mass/mass)
Free chlorine	to pass test
Substances reducing iodine	to pass test
Copper (Cu)	max.0.1ppm(mass/mass)
Lead (Pb)	max.0.2ppm(mass/mass)
Arsenic (As)	max.0.01ppm(mass/mass)
Iron (Fe)	max.0.2ppm(mass/mass)
Ammonium (NH <sub>4</sub> )	max.3ppm(mass/mass)
Appearance of solution (Ph.Eur.)	to pass test
Free chlorine (Ph.Eur.)	max.4ppm
Sulphates (Ph.Eur.)	max.20ppm
Heavy metals (Ph.Eur.)	max.2ppm
Residue on evaporation (Ph.Eur.)	max.0.01%
Assay (Ph.Eur.)	35.0~39.0%

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\*:Additional test performed by Wako but not required by JIS