

## 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.)             | maximum 4ppm           |
| Sulfates (Ph.Eur.)                  | maximum 20ppm          |
| Residue on evaporation (Ph.Eur.)    | maximum 0.01%          |
| Assay (Ph.Eur.)                     | 35.0~39.0%             |

JIS K 8180:2021(\*:Additional test performed by Wako but not required by JIS)(Ph.Eur.)