

## SPECIFICATION

Sodium Hydroxide  
for Medicine Test

REQUIREMENT	SPECIFICATION
* Appearance	White shot
Assay (NaOH)	min.97.0%(mass/mass)
Sodium carbonate (Na <sub>2</sub> CO <sub>3</sub> )	max.1.0%(mass/mass)
Solubility in water	to pass test
Chloride (Cl)	max.0.005%(mass/mass)
Phosphate (PO <sub>4</sub> )	max.0.001%(mass/mass)
Silicate (as SiO <sub>2</sub> )	max.0.01%(mass/mass)
Sulfate (SO <sub>4</sub> )	max.0.005%(mass/mass)
Nitrogen compounds (as N)	max.0.001%(mass/mass)
Potassium (K)	max.0.05%(mass/mass)
Magnesium (Mg)	max.5ppm(mass/mass)
Calcium (Ca)	max.0.002%(mass/mass)
Zinc (Zn)	max.0.001%(mass/mass)
Aluminium (Al)	max.0.002%(mass/mass)
Lead (Pb)	max.5ppm(mass/mass)
Arsenic (As)	max.1ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Nickel (Ni)	max.0.001%(mass/mass)
Assay (USP-NF)	minimum 97.0%
Sodium carbonate (USP-NF)	maximum 1.0%
Sulfate (SO <sub>4</sub> ) (USP-NF)	maximum 0.003%
Chloride (Cl) (USP-NF)	maximum 0.005%
Nitrogen compounds (as N) (USP-NF)	maximum 0.001%
Phosphate (PO <sub>4</sub> ) (USP-NF)	maximum 0.001%
Heavy metals (as Ag) (USP-NF)	maximum 0.002%
Iron (Fe) (USP-NF)	maximum 0.001%
Nickel (Ni) (USP-NF)	maximum 0.001%
Mercury (Hg) (USP-NF)	maximum 0.1ppm
Calcium (Ca) (USP-NF)	maximum 0.005%

Magnesium (Mg) (USP-NF)	maximum 0.002%
Potassium (K) (USP-NF)	maximum 0.02%
Appearance of solution (Ph.Eur.)	to pass test
Carbonates (Ph.Eur.)	maximum 2.0%
Chlorides (Ph.Eur.)	maximum 200ppm
Sulfates (Ph.Eur.)	maximum 200ppm
Iron (Ph.Eur.)	maximum 10ppm
Assay (Ph.Eur.)	97.0~100.5%

JIS K 8576:2019(\*:Additional test performed by Wako but not required by JIS)(USP-NF)(Ph.Eur.)