

## SPECIFICATION

Sodium Chloride  
for Medicine Test

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (NaCl)	min.99.5%(mass/mass)
Solubility in water	to pass test
pH of a 50g/l solution at 25°C	5.0~8.0
Bromide	to pass test
Iodide	to pass test
Phosphate (PO <sub>4</sub> )	max.5ppm(mass/mass)
Sulfate (SO <sub>4</sub> )	max.0.002%(mass/mass)
Nitrogen compounds (as N)	max.0.001%(mass/mass)
Potassium (K)	max.0.005%(mass/mass)
Copper (Cu)	max.2ppm(mass/mass)
Magnesium (Mg)	max.0.002%(mass/mass)
Calcium (Ca)	max.0.002%(mass/mass)
Barium (Ba)	max.0.001%(mass/mass)
Lead (Pb)	max.2ppm(mass/mass)
Iron (Fe)	max.2ppm(mass/mass)
Hexacyanoferrate(II) [Fe(CN) <sub>6</sub> ]	max.1ppm(mass/mass)
Assay (USP-NF)	min.99.0%
pH of a 5% solution at 25.0°C (USP-NF)	5.0~9.0
Insoluble matter (USP-NF)	max.0.005%
Iodide (I) (USP-NF)	max.0.002%
Bromide (Br) (USP-NF)	max.0.01%
Chlorate and nitrate (as NO <sub>3</sub> ) (USP-NF)	max.0.003%
Phosphate (PO <sub>4</sub> ) (USP-NF)	max.5ppm
Sulfate (SO <sub>4</sub> ) (USP-NF)	max.0.004%
Barium (Ba) (USP-NF)	to pass test
Heavy metals (as Pb) (USP-NF)	max.5ppm
Iron (Fe) (USP-NF)	max.2ppm
Calcium (Ca) (USP-NF)	max.0.002%

Magnesium (Mg) (USP-NF)	max.0.001%
Potassium (K) (USP-NF)	max.0.005%
Appearance of solution (Ph.Eur.)	to pass test
Acidity or alkalinity (Ph.Eur.)	to pass test
Bromides (Ph.Eur.)	max.100ppm
Ferrocyanides (Ph.Eur.)	to pass test
Iodides (Ph.Eur.)	to pass test
Nitrites (Ph.Eur.)	to pass test
Phosphates (Ph.Eur.)	max.25ppm
Sulphates (Ph.Eur.)	max.200ppm
Arsenic (Ph.Eur.)	max.1ppm
Barium (Ph.Eur.)	to pass test
Iron (Ph.Eur.)	max.2ppm
Magnesium and alkaline-earth metals (Ph.Eur.)	max.100ppm
Heavy metals (Ph.Eur.)	max.5ppm
Loss on drying (Ph.Eur.)	max.0.5%
Assay (Ph.Eur.)	99.0~100.5%

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