

SPECIFICATION

Sodium Acetate Trihydrate
for Medicine Test

REQUIREMENT	SPECIFICATION
* Appearance	White, crystals ~ crystalline powder
Assay (CH ₃ COONa·3H ₂ O)	min.99.0%(mass/mass)
Solubility in water	to pass test
pH of a 50g/l solution at 25°C	7.5~9.0
Chloride (Cl)	max.5ppm(mass/mass)
Phosphate (PO ₄)	max.5ppm(mass/mass)
Sulfate (SO ₄)	max.0.002%(mass/mass)
Potassium (K)	max.0.01%(mass/mass)
Copper (Cu)	max.5ppm(mass/mass)
Calcium (Ca)	max.0.002%(mass/mass)
Aluminium (Al)	max.5ppm(mass/mass)
Lead (Pb)	max.5ppm(mass/mass)
Iron (Fe)	max.5ppm(mass/mass)
Substances reducing permanganate (as O)	max.0.002%(mass/mass)
Assay (USP-NF)	99.0~101%
pH of a 5% solution at 25.0°C (USP-NF)	7.5~9.2
Substances reducing permanganate (USP-NF)	to pass test
Insoluble matter (USP-NF)	max.0.005%
Chloride (Cl) (USP-NF)	max.0.001%
Phosphate (PO ₄) (USP-NF)	max.5ppm
Sulfate (SO ₄) (USP-NF)	max.0.002%
Heavy metals (as Pb) (USP-NF)	max.5ppm
Iron (Fe) (USP-NF)	max.5ppm
Calcium (Ca) (USP-NF)	max.0.005%
Magnesium (Mg) (USP-NF)	max.0.002%
Potassium (K) (USP-NF)	max.0.005%
Appearance of solution (Ph.Eur.)	to pass test
pH (Ph.Eur.)	7.5~9.0
Reducing substances (Ph.Eur.)	to pass test

Chlorides (Ph.Eur.)	max.200ppm
Sulphates (Ph.Eur.)	max.200ppm
Arsenic (Ph.Eur.)	max.2ppm
Calcium and magnesium (Ph.Eur.)	max.50ppm
Heavy metals (Ph.Eur.)	max.10ppm
Iron (Ph.Eur.)	max.10ppm
Loss on drying (Ph.Eur.)	39.0~40.5%
Assay (Ph.Eur.)	99.0~101.0%

JIS K 8371:2006*:Additional test performed by Wako but not required by JIS