

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 |

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| 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