

SPECIFICATION

Potassium Dihydrogen Phosphate

for Medicine Test

| REQUIREMENT | SPECIFICATION |
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| * Appearance | White, crystals ~ crystalline powder |
| Assay (KH ₂ PO ₄) | min.99.5%(mass/mass) |
| Solubility in water | to pass test |
| Loss on drying at 105°C | max.0.2%(mass/mass) |
| pH of a 50g/l solution at 25°C | 4.2~4.5 |
| Chloride (Cl) | max.5ppm(mass/mass) |
| Nitrate | to pass test |
| Sulfate (SO ₄) | max.0.003%(mass/mass) |
| Heavy metals (as Pb) | max.0.001%(mass/mass) |
| Sodium (Na) | max.0.02%(mass/mass) |
| Arsenic (As) | max.1ppm(mass/mass) |
| Iron (Fe) | max.0.001%(mass/mass) |
| Ammonium (NH ₄) | max.0.001%(mass/mass) |
| Assay (USP-NF) | min.99.0% |
| pH of a 5% solution at 25.0°C (USP-NF) | 4.1~4.5 |
| Insoluble matter (USP-NF) | max.0.01% |
| Loss on drying (USP-NF) | max.0.2% |
| Chloride (Cl) (USP-NF) | max.0.001% |
| Sulfate (SO ₄) (USP-NF) | max.0.003% |
| Heavy metals (as Pb) (USP-NF) | max.0.001% |
| Iron (Fe) (USP-NF) | max.0.002% |
| Sodium (Na) (USP-NF) | max.0.005% |
| Appearance of solution (Ph.Eur.) | to pass test |
| pH (Ph.Eur.) | 4.2~4.5 |
| Reducing substances (Ph.Eur.) | to pass test |
| Chlorides (Ph.Eur.) | max.200ppm |
| Sulphates (Ph.Eur.) | max.300ppm |
| Arsenic (Ph.Eur.) | max.2ppm |
| Iron (Ph.Eur.) | max.10ppm |

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|--------------------------|-------------|
| Sodium (Ph.Eur.) | max.0.1% |
| Heavy metals (Ph.Eur.) | max.10ppm |
| Loss on drying (Ph.Eur.) | max.2.0% |
| Assay (Ph.Eur.) | 98.0~100.5% |

JIS K 9007:2014 (Amendment 1)

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