

SPECIFICATION

Acetic Acid
for Medicine Test

| REQUIREMENT | SPECIFICATION |
|---|------------------------|
| * Appearance | Colorless clear liquid |
| Assay (CH ₃ COOH) | min.99.7%(mass/mass) |
| Solubility in water | to pass test |
| Freezing point | min.15.5°C |
| Water | max.0.3%(mass/mass) |
| Residue after evaporation | max.0.001%(mass/mass) |
| Chloride (Cl) | max.1ppm(mass/mass) |
| Sulfate (SO ₄) | max.1ppm(mass/mass) |
| Copper (Cu) | max.0.5ppm(mass/mass) |
| Lead (Pb) | max.0.5ppm(mass/mass) |
| Iron (Fe) | max.0.5ppm(mass/mass) |
| Acetic anhydride [(CH ₃ CO) ₂ O] (GC) | max.0.1%(mass/mass) |
| Substances reducing dichromate (as O) | max.0.005%(mass/mass) |
| Assay (USP-NF) | min.99.7% |
| Color (APHA) (USP-NF) | max.10 |
| Dilution test (USP-NF) | to pass test |
| Residue after evaporation (USP-NF) | max.0.001% |
| Acetic anhydride [(CH ₃ CO) ₂ O] (USP-NF) | max.0.01% |
| Chloride (Cl) (USP-NF) | max.1ppm |
| Sulfate (SO ₄) (USP-NF) | max.1ppm |
| Heavy metals (as Pb) (USP-NF) | max.0.5ppm |
| Iron (Fe) (USP-NF) | max.0.2ppm |
| Substances reducing dichromate (USP-NF) | to pass test |
| Substances reducing permanganate (USP-NF) | to pass test |
| Titrable base (USP-NF) | max.0.0004meq/g |
| Appearance (Ph.Eur.) | Clear and colourless |
| Freezing point (Ph.Eur.) | min.14.8°C |
| Reducing substances (Ph.Eur.) | to pass test |
| Chlorides (Ph.Eur.) | max.25mg/L |

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| Sulfates (Ph.Eur.) | max.50mg/L |
| Iron (Ph.Eur.) | max.5ppm |
| Residue on evaporation (Ph.Eur.) | max.0.01% |
| Assay (Ph.Eur.) | 99.0~100.5% |

JIS K 8355:2021(*:Additional test performed by Wako but not required by JIS)(USP-NF)(Ph.Eur.)