

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
Titration 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

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.)