

## SPECIFICATION

Acetic Acid  
for Medicine Test

REQUIREMENT	SPECIFICATION
* Appearance	Colorless clear liquid
Assay (CH <sub>3</sub> 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 <sub>4</sub> )	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 (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 <sub>3</sub> CO) <sub>2</sub> O] (USP-NF)	max.0.01%
Chloride (Cl) (USP-NF)	max.1ppm
Sulfate (SO <sub>4</sub> ) (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

Sulphates (Ph.Eur.)	max.50mg/l
Iron (Ph.Eur.)	max.5ppm
Heavy metals (Ph.Eur.)	max.5ppm
Residue on evaporation (Ph.Eur.)	max.0.01%
Assay (Ph.Eur.)	99.0~100.5%

JIS K 8355:2006\*:Additional test performed by Wako but not required by JIS