

SPECIFICATION

Acetone
for Medicine Test

REQUIREMENT	SPECIFICATION
* Appearance	Colorless clear liquid
Assay (CH ₃ COCH ₃) (GC)	min.99.5%(mass/mass)
Solubility in water	to pass test
Density (20°C)	0.789~0.792g/ml
Refractive index 20°C	1.358~1.360
Water	max.0.3%(mass/mass)
Residue after evaporation	max.5ppm(mass/mass)
Acidity (as CH ₃ COOH)	max.0.002%(mass/mass)
Alkalinity (as NH ₃)	max.0.001%(mass/mass)
Aldehydes (as HCHO)	max.0.002%(mass/mass)
Methanol (CH ₃ OH)	max.0.05%(mass/mass)
Substances reducing permanganate (as O)	max.2ppm(mass/mass)
Assay (USP-NF)	minimum 99.5%
Color (APHA) (USP-NF)	maximum 10
Residue after evaporation (USP-NF)	maximum 0.001%
Solubility in water (USP-NF)	to pass test
Titrable acid (USP-NF)	maximum 0.0003meq/g
Titrable base (USP-NF)	maximum 0.0006meq/g
Aldehyde (as HCHO) (USP-NF)	maximum 0.002%
Isopropyl alcohol (USP-NF)	maximum 0.05%
Methanol (USP-NF)	maximum 0.05%
Substances reducing permanganate (USP-NF)	to pass test
Water (H ₂ O) (USP-NF)	maximum 0.5%
Appearance of solution (Ph.Eur.)	to pass test
Acidity or alkalinity (Ph.Eur.)	to pass test
Relative density (Ph.Eur.)	0.790~0.793
Reducing substances (Ph.Eur.)	to pass test
Related substances (Ph.Eur.)	to pass test
Matter insoluble in water (Ph.Eur.)	to pass test

Residue on evaporation (Ph.Eur.)

maximum 50ppm

Water (Ph.Eur.)

maximum 3g/L

JIS K 8034:2006(*:Additional test performed by Wako but not required by JIS)(USP-NF)(Ph.Eur.)