

Code No.05-0047

SPECIFICATION

Ethanol (95)

Guaranteed Reagent

REQUIREMENT	SPECIFICATION
* Appearance	Colorless clear liquid
Assay (C ₂ H ₅ OH)(by density)	94.8~95.8vol%
Density (20°C)	0.808~0.812g/ml
Residue after evaporation	max.0.001%(mass/mass)
Acidity (as CH ₃ COOH)	max.0.002%(mass/mass)
Alkalinity (as NH ₃)	max.1ppm(mass/mass)
Heavy metals (as Pb)	max.1ppm(mass/mass)
Aldehydes and ketones (as CH ₃ COCH ₃)	max.0.001%(mass/mass)
1-Butanol [CH ₃ (CH ₂) ₂ CH ₂ OH](GC)	max.0.005%(mass/mass)
1-Propanol (CH ₃ CH ₂ CH ₂ OH) (GC)	max.0.005%(mass/mass)
2-Propanol [(CH ₃) ₂ CHOH] (GC)	max.0.01%(mass/mass)
Methanol (CH ₃ OH) (GC)	max.0.02%(mass/mass)
3-Methyl-1-butanol [(CH ₃) ₂ CHCH ₂ CH ₂ OH] (GC)	max.0.004%(mass/mass)
Substances darkened by sulfuric acid	to pass test

JIS K 8102-2012

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