

SPECIFICATION

Ethanol (99)

Wako Special Grade

REQUIREMENT	SPECIFICATION
Appearance	Colorless clear liquid
Assay (C ₂ H ₅ OH) (GC)	min.99.5%(mass/mass)
Density (20°C)	0.789~0.791g/ml
Water	max.0.2%(mass/mass)
Residue after evaporation	max.5ppm(mass/mass)
Acidity (as CH ₃ COOH)	max.0.002%(mass/mass)
Alkalinity (as NH ₃)	max.1ppm(mass/mass)
Aldehydes and ketones (as CH ₃ COCH ₃)	max.0.001%(mass/mass)
Methanol (CH ₃ OH)	max.0.02%(mass/mass)
2-Propanol [(CH ₃) ₂ CHOH]	max.0.01%(mass/mass)
1-Propanol (CH ₃ CH ₂ CH ₂ OH)	max.0.005%(mass/mass)
1-Butanol [CH ₃ (CH ₂) ₂ CH ₂ OH]	max.0.005%(mass/mass)
Substances reducing permanganate	to pass test
Substances darkened by sulfuric acid	to pass test

Production method:by fermentation