

SPECIFICATION

Ethanol (99.5)

Super Special Grade

REQUIREMENT	SPECIFICATION
Appearance	Colorless clear liquid
Solubility in water	to pass test
Density (20°C)	0.789~0.791g/mL
Absorbance (255nm)	max.0.02
Water	max.0.1%
Residue after evaporation	max.4ppm
Acidity (as CH ₃ COOH)	max.5ppm
Alkalinity (as NH ₃)	max.0.5ppm
Heavy metals (as Pb)	max.0.2ppm
Aldehydes and ketones (as CH ₃ COCH ₃)	max.4ppm
Benzene and other organic impurities	to pass test (as C ₆ H ₆ :max. about 0.001%)
Fusel oil (as C ₅ H ₁₂ O)	max.0.004%
Methanol (CH ₃ OH)	max.0.02%
Substances darkened by diphenylcarbazine	to pass test
Substances darkened by sulfuric acid	to pass test
Substances reducing permanganate	to pass test (as O:max. about 3ppm)
Practical test for ethanolic KOH solution	to pass test
Gas chromatography test	to pass test
Assay (capillary GC)	min.99.9%