

## SPECIFICATION

Ethanol, Deoxidized (99.5)  
for Organic Synthesis

REQUIREMENT	SPECIFICATION
Appearance	Colorless clear liquid
Solubility in water	to pass test
Density (20°C)	0.789~0.791g/mL
Water	max.0.001%
Residue after evaporation	max.0.001%
Acidity (as CH <sub>3</sub> COOH)	max.0.002%
Alkalinity (as NH <sub>3</sub> )	max.1ppm
Heavy metals (as Pb)	max.1ppm
Aldehydes and ketones (as CH <sub>3</sub> COCH <sub>3</sub> )	max.0.001%
Benzene and other organic impurities	to pass test
Fusel oil (as C <sub>5</sub> H <sub>12</sub> O)	max.0.004%
Methanol (CH <sub>3</sub> OH)	max.0.02%
Substances darkened by sulfuric acid	to pass test
Substances reducing permanganate	to pass test
Assay (by density)	min.99.5vol%
Assay (capillary GC)	min.99.5%
Dissolved oxygen	max.1ppm