

SPECIFICATION

Ethanol, Super Dehydrated (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 ₃ COOH) | max.0.002% |
| Alkalinity (as NH ₃) | max.1ppm |
| Heavy metals (as Pb) | max.1ppm |
| Aldehydes and ketones (as CH ₃ COCH ₃) | max.0.001% |
| Benzene and other organic impurities | to pass test |
| Fusel oil (as C ₅ H ₁₂ O) | max.0.004% |
| Methanol (CH ₃ OH) | max.0.02% |
| Substances darkened by sulfuric acid | to pass test |
| Substances reducing permanganate | to pass test |
| Assay (capillary GC) | min.99.5% |