

SPECIFICATION

Acetonitrile

for LC/MS

| REQUIREMENT | SPECIFICATION |
|---|------------------------|
| Appearance | Colorless clear liquid |
| Density (20°C) | 0.780~0.783g/mL |
| Refractive index 20°C | 1.343~1.346 |
| Absorbance (200nm) | max.0.05 |
| Absorbance (210nm) | max.0.03 |
| Absorbance (220nm) | max.0.02 |
| Absorbance (230nm) | max.0.01 |
| Absorbance (240nm) | max.0.005 |
| Water | max.0.05% |
| Residue after evaporation | max.0.001% |
| Acidity (as CH ₃ COOH) | max.0.001% |
| Ammonium (NH ₄) | max.0.3ppm |
| Particles (0.5 μm or more) | max.100/mL |
| Peroxides (as H ₂ O ₂) | max.5ppm |
| Fluorescence test | to pass test |
| Substances reducing permanganate | to pass test |
| Gradient test | to pass test |
| Suitability for LC/MS analysis | to pass test |
| Assay (capillary GC) | min.99.8% |