

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.0.04
Absorbance (210nm)	max.0.03
Absorbance (220nm)	max.0.02
Absorbance (230nm)	max.0.01
Absorbance (240nm)	max.0.005
Water	max.0.03%
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 (as O)	to pass test
Gradient test	to pass test
Suitability for LC/MS analysis	to pass test
Assay (capillary GC)	min.99.9%