

## SPECIFICATION

## Acetonitrile

for QTofMS

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 <sub>3</sub> COOH)	max.0.001%
Ammonium (NH <sub>4</sub> )	max.0.3ppm
Particles (0.5 μm or more)	max.100/ml
Peroxides (as H <sub>2</sub> O <sub>2</sub> )	max.5ppm
Fluorescence test	to pass test
Substances reducing permanganate	to pass test
Suitability for QTofMS analysis	to pass test
Assay (capillary GC)	min.99.8%