

## SPECIFICATION

Acetone  
for Electronics Industry

REQUIREMENT	SPECIFICATION
Appearance	Colorless clear liquid
Solubility in water	to pass test
Density (20°C)	0.789~0.792g/mL
Refractive index 20°C	1.358~1.360
Water	max.0.25%
Residue after evaporation	max.1ppm
Acidity (as CH <sub>3</sub> COOH)	max.10ppm
Alkalinity (as NH <sub>3</sub> )	max.1ppm
Aldehyde (as HCHO)	max.10ppm
Methanol (CH <sub>3</sub> OH)	max.500ppm
Substances reducing permanganate (as O)	to pass test
Assay (capillary GC)	min.99.7%
Chloride (Cl)	max.200ppb
Phosphate (PO <sub>4</sub> )	max.100ppb
Silver (Ag)	max.0.5ppb
Aluminium (Al)	max.0.5ppb
Arsenic (As)	max.0.5ppb
Boron (B)	max.5ppb
Barium (Ba)	max.0.5ppb
Calcium (Ca)	max.0.5ppb
Cadmium (Cd)	max.0.5ppb
Cobalt (Co)	max.0.5ppb
Chromium (Cr)	max.0.5ppb
Copper (Cu)	max.0.5ppb
Iron (Fe)	max.1ppb
Potassium (K)	max.1ppb
Lithium (Li)	max.0.5ppb
Magnesium (Mg)	max.0.5ppb
Manganese (Mn)	max.0.5ppb

Sodium (Na)	max.5ppb
Nickel (Ni)	max.0.5ppb
Lead (Pb)	max.0.5ppb
Tin (Sn)	max.1ppb
Strontium (Sr)	max.0.5ppb
Zinc (Zn)	max.0.5ppb
Particles (0.5 $\mu$ m or more)	under investigation