

SPECIFICATION

Acetone

SC

REQUIREMENT	SPECIFICATION
Appearance (APHA)	Colorless clear liquid (max.10)
Solubility in water	clear
Sp. Gr.(20/20°C)	0.790~0.793
Refractive index 20°C	1.358~1.360
Specific resistance	min.20MΩ·cm
Water	max.0.25%
Residue after evaporation	max.1ppm
Acidity (as CH ₃ COOH)	max.10ppm
Alkalinity (as NH ₃)	max.1ppm
Aldehydes (as HCHO)	max.10ppm
Methanol (CH ₃ OH)	max.500ppm
Substances reducing permanganate	to pass test
Assay (capillary GC)	min.99.7%
Chloride (Cl)	max.200ppb
Phosphate (PO ₄)	max.100ppb
Boron (B)	max.5ppb
Silver (Ag)	max.0.5ppb
Aluminium (Al)	max.0.5ppb
Arsenic (As)	max.0.5ppb
Gold (Au)	max.0.5ppb
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
Gallium (Ga)	max.1ppb
Germanium (Ge)	max.0.5ppb

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
Silicon (Si)	max.1ppb
Tin (Sn)	max.1ppb
Strontium (Sr)	max.0.5ppb
Zinc (Zn)	max.0.5ppb
Particles (0.5 μ m or more)	max.50/ml
Particles (0.2 μ m or more)	max.400/ml