

## SPECIFICATION

Methanol  
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	1.327~1.330
Water	max.0.1%
Residue after evaporation	max.1ppm
Acidity (as HCOOH)	max.20ppm
Alkalinity (as NH <sub>3</sub> )	max.1ppm
Acetone and aldehydes (as CH <sub>3</sub> COCH <sub>3</sub> )	max.2ppm
Ethyl alcohol (C <sub>2</sub> H <sub>5</sub> OH)	to pass test
Substances reducing permanganate (as O)	to pass test
Substances darkened by sulfuric acid	to pass test
Assay (capillary GC)	min.99.7%
Silver (Ag)	max.1ppb
Aluminium (Al)	max.10ppb
Barium (Ba)	max.5ppb
Calcium (Ca)	max.1ppb
Cadmium (Cd)	max.1ppb
Cobalt (Co)	max.1ppb
Chromium (Cr)	max.2ppb
Copper (Cu)	max.2ppb
Iron (Fe)	max.5ppb
Potassium (K)	max.3ppb
Lithium (Li)	max.1ppb
Magnesium (Mg)	max.5ppb
Manganese (Mn)	max.1ppb
Sodium (Na)	max.50ppb
Nickel (Ni)	max.5ppb
Lead (Pb)	max.1ppb

Strontium (Sr)	max.1ppb
Zinc (Zn)	max.5ppb
Particles (0.5 $\mu$ m or more)	under investigation