

Ethanol, RCI Premium

C ₂ H ₅ OH	FW. 46.07	Density 1 L = 0.790 Kg.
CAS-No.	64-17-5	Melting Point - 114.5 °C
Code	RP1069	Boiling Point 78.3 °C

Specifications

(Meet A.C.S. Specifications)

Assay (by GC.)	99.9% min.
Identity (IR)	Passes test
Appearance	Passes test
Color (APHA)	10 max.
Water (by Coulometry)	0.1% max.
Acid or alkalinity	30 ppm max.
Acidity (mEq./g.)	0.0002 max.
Alkalinity (mEq./g.)	0.0002 max.
Residue on Evaporation	0.0005% max.
Aldehydes (as Acetaldehyde)	0.001% max.
Carbonyl compounds (as CO)	0.003% max.
Acetone (GC.)	0.001% max.
Ethylmethylketone (GC.)	0.02% max.
Higher alcohols (GC.)	0.01% max.
Isoamyl alcohol (GC.)	0.05% max.
Methanol (GC.)	0.01% max.
Propan-2-ol (GC.)	0.003% max.
Acetaldehyde and Acetal	10 ppm max.
Benzene	2 ppm max.
Total of other impurities	300 ppm max.
Fusel oil	Passes test
Readily carbonizable substances	Passes test
Solubility in water	Passes test
Substances darkened by sulfuric acid	Passes test
Substances reducing permanganate	0.0002% max.
Aluminium (Al)	0.1 ppm max.
Barium (Ba)	0.02 ppm max.
Boron (B)	0.01 ppm max.
Cadmium (Cd)	0.02 ppm max.
Calcium (Ca)	0.2 ppm max.
Chromium (Cr)	0.01 ppm max.
Cobalt (Co)	0.01 ppm max.
Copper (Cu)	0.01 ppm max.
Iron (Fe)	0.05 ppm max.
Potassium (K)	0.1 ppm max.
Lead (Pb)	0.05 ppm max.
Magnesium (Mg)	0.05 ppm max.
Manganese (Mn)	0.01 ppm max.
Nickel (Ni)	0.01 ppm max.
Sodium (Na)	0.5 ppm max.
Strontium (Sr)	0.02 ppm max.
Tin (Sn)	0.05 ppm max.
Zinc (Zn)	0.05 ppm max.

Denatured with 8-12 ppm Denatonium benzoate.