

**Ethanol, AR.**

C <sub>2</sub> H <sub>5</sub> OH	FW. 46.07	Density 1 L = 0.790 Kg.
CAS-No.	64-17-5	Melting Point - 114.5 °C
Code	AR1380	Boiling Point 78.3 °C

**Specifications**

(Meet A.C.S. Specifications)

Assay (by GC.)	99.7%	min.
Color (APHA)	10	max.
Water (by Coulometry)	0.2%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.001%	max.
Acetone (GC.)	0.001%	max.
Methanol (GC.)	0.05%	max.
Propan-2-ol (GC.)	0.003%	max.
Fusel oil	Passes test	
Solubility in water	Passes test	
Substances darkened by sulfuric acid	Passes test	
Substances reducing permanganate	Passes test	
Aluminium (Al)	0.1	ppm max.
Barium (Ba)	0.02	ppm max.
Boron (B)	0.02	ppm max.
Cadmium (Cd)	0.05	ppm max.
Calcium (Ca)	0.5	ppm max.
Chromium (Cr)	0.02	ppm max.
Cobalt (Co)	0.02	ppm max.
Copper (Cu)	0.02	ppm max.
Iron (Fe)	0.1	ppm max.
Lead (Pb)	0.05	ppm max.
Magnesium (Mg)	0.05	ppm max.
Manganese (Mn)	0.02	ppm max.
Nickel (Ni)	0.02	ppm max.
Potassium (K)	0.1	ppm max.
Sodium (Na)	0.5	ppm max.
Strontium (Sr)	0.02	ppm max.
Tin (Sn)	0.1	ppm max.
Zinc (Zn)	0.1	ppm max.

Denatured with Denatonium benzoate 8-12 ppm and Tert Butyl Alcohol less than 0.15%.

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S-QC03-AR-S-0221 / RV.01 / Eff.date 01-02-19