

## Ethanol, AR.

C<sub>2</sub>H<sub>5</sub>OH                      FW. 46.07  
 CAS-No.                        64-17-5  
 Code                              **AR1069**

Density 1 L    = 0.790 Kg.  
 Melting Point   - 114.5 °C  
 Boiling Point    78.3 °C

### Specifications

(Meet A.C.S. Specifications)

Assay (by GC.)	99.9%	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 8-12 ppm Denatonium benzoate.

TN\_25-11-2009

S-QC03-AR-S-0121 / RV.01 / Eff.date 01-02-15