

## 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	AR1491	Boiling Point 78.3 °C

## Specifications

Assay (by GC.)	99.5%	min.
Color (APHA)	10	max.
Water (by Coulometry)	0.3%	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 10-20 ppm and Tert Butyl Alcohol less than 0.3%.

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S-QC03-AR-S-0321 / RV.00 / Eff.date 12-01-23