



# Product Specification

## Product Name: ETHANOL Udenaturated 96% AR

Alternate Name(s) Ethyl alcohol

### Description

Colourless, clear and volatile liquid; ethereal vinous odour; pungent taste.

### Properties

Chemical Formula: C<sub>2</sub>H<sub>5</sub>OH

Molecular Weight: 46.07

Product Code: EA042

CAS No.: 64-17-5

### General Information:

Miscible with water, methanol and ether. Incompatible with oxidising agents, peroxides, acids, alkali metals and ammonia. Highly flammable liquid.

### Hazard and Safety Data

UN Group: II  
Class: 3  
UN Number: 1170  
Hazchem code: •2YE  
CS MSDS Code: 1CH89  
Poison schedule: Not Scheduled  
Emergency Procedure Guide No.: 14

### Quality Specification

Assay: 95.1% v/v min.

### Specific Properties and Impurities [Typical levels]:

Colour (APHA)	10
Solubility in water	Passes test
Residue after evaporation	0.001%
Acetone, Isopropyl alcohol	Passes test
Titration acid	0.0005 meq/g
Titration base	0.0002 meq/g
Methanol	0.1%
Substances darkened by sulfuric acid	Passes test
Substances reducing permanganate	Passes test
Acetaldehyde and acetal (as acetaldehyde)	0.001%
Benzene	0.0002%
Aluminium (Al)	0.00005%
Barium (Ba)	0.000001%
Cadmium (Cd)	0.000001%
Calcium (Ca)	0.00005%
Chromium (Cr)	0.000001%
Cobalt (Co)	0.000001%
Copper (Cu)	0.000001%
Iron (Fe)	0.00005%
Lead (Pb)	0.000001%
Magnesium (Mg)	0.00005%
Manganese (Mn)	0.000002%
Nickel (Ni)	0.000001%
Potassium (K)	0.0001%
Sodium (Na)	0.0001%
Strontium (Sr)	0.000002%

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Zinc (Zn)

0.000001%

CONFORMS TO ACS

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