



# Product Specification

## Product Name: ETHANOL Udenaturated 100% LR

Alternate Name(s) Ethyl alcohol.

### Description

Clear, Colourless liquid.

### Properties

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

Molecular Weight: 46.07

Product Code: EL043

CAS No.: 64-17-5

### General Information:

Hygroscopic, miscible with water, methyl alcohol, ether, chloroform and acetone.  
Flammable; dangerous fire risk.

### 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: 99.5% min.

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

Water	0.5%
Colour (APHA)	10
Residue after evaporation	0.0025%
Solubility in water	Passes test
Acidity (as acetic acid)	0.0030%
Substances darkened by sulfuric acid	Passes test
Substances reducing permanganate	Passes test
Volatile Impurities	
- Methanol	0.0150%
- Acetaldehyde and acetal	0.0015%
- Benzene	0.0002%
- Sum of other impurities	0.0300%
Aluminium (Al)	0.00001%
Barium (Ba)	0.00001%
Cadmium (Cd)	0.00001%
Calcium (Ca)	0.00002%
Chromium (Cr)	0.00001%
Cobalt (Co)	0.00001%
Copper (Cu)	0.00001%
Iron (Fe)	0.00002%
Lead (Pb)	0.00001%
Magnesium (Mg)	0.00002%
Manganese (Mn)	0.00001%
Nickel (Ni)	0.00001%
Potassium (K)	0.0001%
Sodium (Na)	0.0005%

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia  
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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Strontium (Sr)	0.00001%
Zinc (Zn)	0.00001%

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