



Product Specification

Product Name: ETHANOL Udenaturated 100% AR

Alternate Name(s) Ethyl alcohol

Description

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

Properties

Chemical Formula: C₂H₅OH

Molecular Weight: 46.07

Product Code: EA043

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: 99.5% 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 (CH ₃ OH)	0.1%
Subs. darkened by H ₂ SO ₄	Passes test
Subs. reducing KMnO ₄	Passes test
Water (H ₂ O)	0.2%
Aluminium (Al)	0.00001%
Barium (Ba)	0.000002%
Boron (B)	0.000002%
Cadmium (Cd)	0.000002%
Calcium (Ca)	0.0002%
Chromium (Cr)	0.000002%
Cobalt (Co)	0.000002%
Copper (Cu)	0.00005%
Iron (Fe)	0.0001%
Lead (Pb)	0.000002%
Lithium (Li)	0.000002%
Magnesium (Mg)	0.00005%
Manganese (Mn)	0.000002%
Molybdenum (Mo)	0.000002%
Nickel (Ni)	0.000002%
Potassium (K)	0.00001%

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Sodium (Na)	0.002%
Strontium (Sr)	0.000002%
Tin (Sn)	0.00001%
Titanium (Ti)	0.000002%
Vanadium (V)	0.000002%
Zinc (Zn)	0.0001%
Zirconium (Zr)	0.000002%

CONFORMS TO ACS

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