



Product Specification

Product Name: DIETHYL ETHER Anhydrous AR, stabilised with BHT

Alternate Name(s) Ethyl Ether, ethyl oxide, diethyl oxide

Description

Colourless, transparent, volatile and mobile liquid, with a pleasant aromatic odour; burning and sweet taste. Hygroscopic.

Properties

Chemical Formula: $(C_2H_5)_2O$

Molecular Weight: 74.12

Product Code: EA036

CAS No. 60-29-7

General Information:

Strongly narcotic - vapors may cause drowsiness or dizziness. In the presence of oxygen or on long standing or exposure to sunlight unstable peroxides may form. Extremely flammable. Severe fire & explosion hazard.

Hazard and Safety Data

UN Group: I
Class: 3
UN Number: 1155
Hazchem code: 3YE
CS MSDS Code: 1CH2M
Poison schedule: S6
Emergency Procedure Guide No.: 14

Quality Specification

Typical Assay: 99.5% min.

Specific Properties and Impurities [Typical Levels]

Specific Gravity (@ 20 °C)	0.7147	Boiling Point	34.5°C
Colour (APHA)	≤ 10	Peroxide (as H ₂ O ₂)	≤ 0.000015%
Residue after evaporation	≤ 0.0005%	Titration acid	≤ 0.0002 meq/g
Titration base	≤ 0.0002 meq/g	Carbonyl (as HCHO)	≤ 0.001%
Alcohol (CH ₃ CH ₂ OH)	Passes test	Water (H ₂ O)	≤ 0.03%
Acetone	≤ 0.005%	Carbon tetrachloride	≤ 0.005%
Chloride (Cl)	≤ 0.00003%	Sulfate (SO ₄)	≤ 0.00003%
Substances darkened by sul	Passes test	Aluminium (Al)	≤ 0.00002%
Barium (Ba)	≤ 0.000005%	Boron (B)	≤ 0.000001%
Cadmium (Cd)	≤ 0.000002%	Calcium (Ca)	≤ 0.00002%
Chromium (Cr)	≤ 0.000001%	Cobalt (Co)	≤ 0.000001%
Copper (Cu)	≤ 0.000001%	Iron (Fe)	≤ 0.000005%
Lead (Pb)	≤ 0.000005%	Magnesium (Mg)	≤ 0.000005%
Manganese (Mn)	≤ 0.000001%	Nickel (Ni)	≤ 0.000001%
Tin (Sn)	≤ 0.000005%	Zinc (Zn)	≤ 0.000005%
Stabilised with BHT	~ 0.0005%		

CONFORMS TO ACS

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