

Diethyl ether, RCI Premium

(C₂H₅)₂O FW. 74.12
 CAS-No. 60-29-7
 Code **RP1047E**

Density 1 L = 0.710 Kg.
 Melting Point - 116.3 °C
 Boiling Point 34.6 °C

Specifications

(Meet A.C.S. Specifications)

Assay (by GC.)	99.5%	min.
Identity (IR)	Passes test	
Appearance	Clear	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0002	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0005%	max.
Acetone (GC.)	0.005%	max.
Carbon tetrachloride (GC.)	0.005%	max.
Methanol (GC.)	0.02%	max.
Carbonyl (as HCHO)	0.001%	max.
Chloride (Cl)	0.00003%	max.
Sulfate (SO ₄)	0.00003%	max.
Matter discoloured by H ₂ SO ₄ (APHA)	10	max.
Peroxide (as H ₂ O ₂)	0.15	ppm max.
Aluminium (Al)	0.2	ppm max.
Barium (Ba)	0.05	ppm max.
Boron (B)	0.01	ppm max.
Cadmium (Cd)	0.02	ppm max.
Calcium (Ca)	0.2	ppm max.
Chromium (Cr)	0.01	ppm max.
Cobalt (Co)	0.01	ppm max.
Copper (Cu)	0.01	ppm max.
Iron (Fe)	0.05	ppm max.
Lead (Pb)	0.05	ppm max.
Magnesium (Mg)	0.05	ppm max.
Manganese (Mn)	0.01	ppm max.
Nickel (Ni)	0.01	ppm max.
Tin (Sn)	0.05	ppm max.
Zinc (Zn)	0.05	ppm max.

Stabilized with about 2% ethanol.

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S-QC03-RP-S-E316 / RV.00 / Eff.date 01-11-12