

Diethyl ether, RCI Premium

(C ₂ H ₅) ₂ O	FW. 74.12	Density 1 L = 0.710 Kg.
CAS-No.	60-29-7	Melting Point - 116.3 °C
Code	RP1046E	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 1% ethanol.

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S-QC03-RP-S-E216 / RV.00 / Eff.date 01-11-12