

Propan-2-ol, RCI Premium

(CH₃)₂CHOH FW. 60.10
 CAS-No. 67-63-0
 Code RP1162

Density 1 L = 0.786 Kg.
 Melting Point - 89.5 °C
 Boiling Point 82.4 °C

Specifications

(Meet A.C.S. Specifications and BP/EP/USP/NF)

Assay (by GC.)	99.8%	min.
Identity (IR)	Passes test	
Appearance	Clear	
Solubility in water	Passes test	
Color (APHA)	10	max.
Water (by Coulometry)	0.05%	max.
Acidity (mEq./g.)	0.0001	max.
Alkalinity (mEq./g.)	0.0001	max.
Residue on Evaporation	0.001%	max.
Acetone (GC.)	0.01%	max.
Ethanol (GC.)	0.01%	max.
Isopropylether (GC.)	0.01%	max.
Methanol (GC.)	0.01%	max.
1-Propylalcohol (GC.)	0.1%	max.
Carbonyl Compounds (as propionaldehyde or acetone)	0.002%	max.
Chloride (Cl)	0.3	ppm max.
Nitrate (NO ₃)	0.3	ppm max.
Phosphate (PO ₄)	0.5	ppm max.
Sulfate (SO ₄)	1	ppm max.
Substances reducing permanganate (as O)	2	ppm max.
UV Absorbance		
	310 nm	0.01 max.
	290 nm	0.02 max.
	270 nm	0.03 max.
	250 nm	0.10 max.
	230 nm	0.30 max.
Aluminium (Al)	0.5	ppm max.
Antimony (Sb)	0.02	ppm max.
Arsenic (As)	0.02	ppm max.
Barium (Ba)	0.1	ppm max.
Beryllium (Be)	0.02	ppm max.
Bismuth (Bi)	0.02	ppm max.
Boron (B)	0.02	ppm max.
Cadmium (Cd)	0.05	ppm max.
Calcium (Ca)	0.5	ppm max.
Chromium (Cr)	0.02	ppm max.
Cobalt (Co)	0.02	ppm max.
Copper (Cu)	0.02	ppm max.
Gallium (Ga)	0.02	ppm max.
Germanium (Ge)	0.02	ppm max.
Gold (Au)	0.02	ppm max.
Indium (In)	0.02	ppm max.
Iron (Fe)	0.1	ppm max.
Lead (Pb)	0.1	ppm max.
Lithium (Li)	0.05	ppm max.
Magnesium (Mg)	0.1	ppm max.
Manganese (Mn)	0.02	ppm max.
Molybdenum (Mo)	0.02	ppm max.
Nickel (Ni)	0.02	ppm max.
Silver (Ag)	0.02	ppm max.
Thallium (Tl)	0.02	ppm max.
Tin (Sn)	0.1	ppm max.
Titanium (Ti)	0.02	ppm max.
Vanadium (V)	0.02	ppm max.
Zinc (Zn)	0.1	ppm max.
Zirconium (Zr)	0.02	ppm max.
Relative density @ 20 °C	0.785 - 0.789	
Relative density @ 25 °C	0.783 - 0.787	
Refractive Index @ 20 °C	1.376 - 1.378	

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