



### SPECIFICATION SHEET

Product Name	:	1-Propanol, for analysis ACS, Reag. Ph Eur.
Product Number	:	961.016
Brand	:	ISOLAB
CAS Number	:	71-23-8
Formula	:	C <sub>3</sub> H <sub>8</sub> O
Formula Weight	:	60.1 g/mol

TEST NAME	SPECIFICATION	UNIT
Purity (GC)	≥ 99.5 %	%
Identity (IR)	passes test	
Appearance	Clear colorless liquid	
Colour	≤ 10 Hazen	Hazen
Solubility in water	passes test	
Acidity	≤ 0.0004 meq/g	meq/g
Alkalinity	≤ 0.0002 meq/g	meq/g
Acidity or Alkalinity	passes test	
Boiling range (96-99 °C)	passes test	
Acetone (GC)	≤ 0.01 %	%
Ethanol (GC)	≤ 0.01 %	%
Methanol (GC)	≤ 0.01 %	%
2-Propanol (GC)	≤ 0.05 %	%
Aldehydes and ketones (as C <sub>3</sub> H <sub>6</sub> O)	≤ 0.03 %	%
Matter discoloured by H <sub>2</sub> SO <sub>4</sub>	≤ 10 Hazen	Hazen
A230 nm	≤ 0.3 AU	AU
A250 nm	≤ 0.1 AU	AU
A270 nm	≤ 0.03 AU	AU
A290 nm	≤ 0.02 AU	AU
A310 nm	≤ 0.01 AU	AU
Absorbance curve	smooth curve	
Al (Aluminium)	≤ 0.00005 %	%
Ba (Barium)	≤ 0.00001 %	%
B (Boron)	≤ 0.000002 %	%
Ca (Calcium)	≤ 0.00005 %	%
Cd (Cadmium)	≤ 0.000005 %	%

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TEST NAME	SPECIFICATION	UNIT
Co (Cobalt)	≤ 0.000002 %	%
Cr (Chromium)	≤ 0.000002 %	%
Cu (Copper)	≤ 0.000002 %	%
Fe (Iron)	≤ 0.00001 %	%
Ir (Iridium)	≤ 0.00001 %	%
Mg (Magnesium)	≤ 0.00001 %	%
Mn (Manganese)	≤ 0.000002 %	%
Mo (Molybdenum)	≤ 0.00001 %	%
Ni (Nickel)	≤ 0.000002 %	%
Os (Osmium)	≤ 0.00001 %	%
Pb (Lead)	≤ 0.00001 %	%
Pd (Palladium)	≤ 0.00001 %	%
Pt (Platinum)	≤ 0.00001 %	%
Rh (Rhodium)	≤ 0.00001 %	%
Ru (Ruthenium)	≤ 0.00001 %	%
Sb (Antimony)	≤ 0.000005 %	%
Sn (Tin)	≤ 0.00001 %	%
V (Vanadium)	≤ 0.00001 %	%
Zn (Zinc)	≤ 0.00001 %	%
Evaporation residue	≤ 0.001 %	%
Water	≤ 0.05 %	%
Identification A	passes EP test	
Identification B	passes EP test	
Identification C	passes EP test	
Identification D	passes EP test	
Refractive index	1.384 - 1.387	
Related substance	passes EP test	

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**Formula** :  $C_3H_8O$   
**Formula Weight** : 60.1 g/mol

TEST NAME	SPECIFICATION	UNIT
Any impurity	$\leq 0.1 \%$	%
Total impurities	$\leq 0.3 \%$	%
Reducing substance	passes EP test	
Solubility	water & ethanol	

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