

SPECIFICATION SHEET

Product Name	:	Ethanol Absolute, ACS, ISO, Reagent Ph. Eur
Product Number	:	920.026
Brand	:	ISOLAB
CAS Number	:	C ₂ H ₆ O
Formula	:	64-17-5
Formula Weight	:	46.07 g/mol

TEST NAME	SPECIFICATION	UNIT
Purity (GC)	≥ 99.9	%
Identity (IR)	passes test	
Solubility in water	passes test	
Appearance	passes test	
Colour	≤ 10 Hazen	Hazen
Acidity or alkalinity	≤ 0.003 %	%
Titration acid	≤ 0.0002 meq/g	meq/g
Titration base	≤ 0.0002 meq/g	meq/g
Density (d 20 °C/20 °C)	0.790 - 0.793	
UV absorption	passes test	
Fusel oils	passes test	
Substances reducing potassium permanganate (as O)	≤ 0.0002 %	%
Aldehydes (as Acetaldehyd)	≤ 0.001 %	%
Carbonyl compounds (as CO)	≤ 0.003 %	%
Acetone (GC)	≤ 0.001 %	%
Isoamyl alcohol (GC)	≤ 0.05 %	%
2-Propanol (GC)	≤ 0.003 %	%
Higher alcohols (GC)	≤ 0.01 %	%
Volatile impurities (GC) (Acetaldehyde and Acetal)	≤ 0.001 %	%
Volatile impurities (GC) (Benzene)	≤ 0.0002 %	%
Volatile impurities (GC) (Methanol)	≤ 0.02 %	%
Volatile impurities (GC) (Other impurities)	≤ 0.03 %	%
Volatile impurities (GC) (disregard limit)	≤ 0.0009 %	%
Water	≤ 0.1 %	%

Quality Management
Isolab Laborgerate GmbH




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TEST NAME	SPECIFICATION	UNIT
Chloride (Cl)	≤ 0.00003 %	%
Sulphate (SO ₄)	≤ 0.00003 %	%
Ag (Silver)	≤ 0.000002 %	%
Nitrate (NO ₃)	≤ 0.00003 %	%
As (Arsenic)	≤ 0.000002 %	%
Phosphate (PO ₄)	≤ 0.00003 %	%
Al (Aluminium)	≤ 0.00005 %	%
Au (Gold)	≤ 0.000002 %	%
Ba (Barium)	≤ 0.00001 %	%
Be (Beryllium)	≤ 0.000002 %	%
Bi (Bismuth)	≤ 0.000002 %	%
Ca (Calcium)	≤ 0.00005 %	%
Cd (Cadmium)	≤ 0.000005 %	%
Co (Cobalt)	≤ 0.000002 %	%
Cr (Chromium)	≤ 0.000002 %	%
Cu (Copper)	≤ 0.000002 %	%
Fe (Iron)	≤ 0.00001 %	%
Ga (Gallium)	≤ 0.000002 %	%
In (Indium)	≤ 0.000002 %	%
Sn (Tin)	≤ 0.00001 %	%
Li (Lithium)	≤ 0.000002 %	%
Mg (Magnesium)	≤ 0.00001 %	%
Mn (Manganese)	≤ 0.000002 %	%
Ti (Titanium)	≤ 0.000002 %	%
Tl (Thallium)	≤ 0.000002 %	%

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TEST NAME	SPECIFICATION	UNIT
V (Vanadium)	≤ 0.000002 %	%
Zn (Zinc)	≤ 0.00001 %	%
Mo (Molybdenum)	≤ 0.000002 %	%
Ni (Nickel)	≤ 0.000002 %	%
Pb (Lead)	≤ 0.00001 %	%
Pt (Platinum)	≤ 0.000002 %	%
Sb (Antimony)	≤ 0.000002 %	%
Zr (Zirconium)	≤ 0.000002 %	%
Evaporation residue	≤ 0.0005 %	%

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