Certificate of Analysis

1.09634.0000 2-Propanol for analysis EMSURE® ACS,ISO,Reag. Ph Eur
Batch I1506834

	Spec. Values		Batch Values	
Purity (GC)	≥ 99.8	%	99.9	%
Identity (IR)	conforms		conforms	
Appearance	clear		clear	
Color	≤ 10	Hazen	< 5	Hazen
Solubility in water	conforms		conforms	
Acidity	≤ 0.0001	meq/g	0.0001	meq/g
Alkalinity	≤ 0.0001	meq/g	< 0.0001	meq/g
Density (d 20 °C/20 °C)	0.784 - 0.787		0.787	
Boiling point	81 - 83	°C	82	°C
Chloride (Cl)	≤ 300	ppb	< 20	ppb
Nitrate (NO_3)	≤ 300	ppb	< 20	ppb
Phosphate (PO_4)	≤ 500	ppb	< 20	ppb
Sulfate (SO_4)	≤ 1000	ppb	< 20	ppb
Substances reducing potassium permanganate (as O)	≤ 2	ppm	≤ 2	ppm
Carbonyl compounds (as CO)	≤ 0.002	%	≤ 0.002	%
Matter discolored by H_2SO_4	≤ 10	Hazen	≤ 10	Hazen
Acetone (GC)	≤ 0.01	%	< 0.01	%
Ethanol (GC)	≤ 0.01	%	< 0.01	%
Isopropylether (GC)	≤ 0.01	%	< 0.01	%
Methanol (GC)	≤ 0.01	%	< 0.01	%
1-Propylalcohol (GC)	≤ 0.1	%	< 0.1	%
Ag (Silver)	≤ 0.000002	%	≤ 0.000002	%
Al (Aluminium)	≤ 0.00005	%	≤ 0.00005	%
As (Arsenic)	≤ 0.000002	%	≤ 0.000002	%
Au (Gold)	≤ 0.000002	%	≤ 0.000002	%
B (Boron)	≤ 0.000002	%	≤ 0.000002	%
Ba (Barium)	≤ 0.00001	%	≤ 0.00001	%
Be (Beryllium)	≤ 0.000002	%	≤ 0.000002	%
Bi (Bismuth)	≤ 0.00001	%	≤ 0.00001	%
Ca (Calcium)	≤ 0.00005	%	≤ 0.00005	%
Cd (Cadmium)	≤ 0.000005	%	≤ 0.000005	%
Co (Cobalt)	≤ 0.000002	%	≤ 0.000002	%
Cr (Chromium)	≤ 0.000002	%	≤ 0.000002	%
Cu (Copper)	≤ 0.000002	%	≤ 0.000002	%
Fe (Iron)	≤ 0.00001	%	≤ 0.00001	%
Ga (Gallium)	≤ 0.000002	%	≤ 0.000002	%
In (Indium)	≤ 0.000002	%	≤ 0.000002	%
Li (Lithium)	≤ 0.000005	%	≤ 0.000005	%
Mg (Magnesium)	≤ 0.00001	%	≤ 0.00001	%
Mn (Manganese)	≤ 0.000002	%	≤ 0.000002	%
Mo (Molybdenum)	≤ 0.000002	%	≤ 0.000002	%

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Ni (Nickel)	≤ 0.000002	%	≤ 0.000002	%
Pb (Lead)	≤ 0.00001	%	≤ 0.00001	%
Pt (Platinum)	≤ 0.000002	%	≤ 0.000002	%
Sb (Antimony)	≤ 0.000002	%	≤ 0.000002	%
Sn (Tin)	≤ 0.00001	%	≤ 0.00001	%
Ti (Titanium)	≤ 0.000002	%	≤ 0.000002	%
Tl (Thallium)	≤ 0.000002	%	≤ 0.000002	%
V (Vanadium)	≤ 0.000002	%	≤ 0.000002	%
Zn (Zinc)	≤ 0.00001	%	≤ 0.00001	%
Zr (Zirconium)	≤ 0.000002	%	≤ 0.000002	%
Evaporation residue	≤ 0.001	%	< 0.001	%
Water	≤ 0.05	%	0.02	%

ACS, ISO reagent, Ph Eur-reagent

Date of release (DD.MM.YYYY) 03.08.2026
Minimum shelf life (DD.MM.YYYY) 31.07.2028

Jeannette David
Responsible laboratory manager quality control

This document has been produced electronically and is valid without a signature.