

# Technical Datasheet

**Article no.: 1437**

**Methanol p. a., ACS, ISO, Reag. Ph. Eur. (min. 99.8 %)**

CH<sub>3</sub>OH

For laboratory use.

CAS-No: 67-56-1  
Appearance/condition: Clear, colourless liquid  
Melting point: -98 °C  
Boiling point: 64.1 – 65.1 °C  
Density (20 °C): 0.791 – 0.793 g/ml  
Molar mass: 32.04 g/mol

Parameter	Value
Non-volatile substances	max. 0.001 %
Water	max. 0.05 %
Assay	min. 99.8 %
Aluminium (Al)	max. 0.00005 %
Boron (B)	max. 0.000002 %
Barium (Ba)	max. 0.00001 %
Calcium (Ca)	max. 0.00005 %
Cadmium (Cd)	max. 0.000005 %
Cobalt (Co)	max. 0.000002 %
Chromium (Cr)	max. 0.000002 %
Copper (Cu)	max. 0.000001 %
Iron (Fe)	max. 0.00001 %
Magnesium (Mg)	max. 0.00001 %
Manganese (Mn)	max. 0.000001 %
Nickel (Ni)	max. 0.000002 %

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Lead (Pb)	max. 0.000002 %
Tin (Sn)	max. 0.00001 %
Zinc (Zn)	max. 0.00001 %
Chloride (Cl)	max. 0.00005 %
Sulphate (SO <sub>4</sub> )	max. 0.0001 %
Acetaldehyde (C <sub>2</sub> H <sub>4</sub> O)	max. 0.001 %
Acetone (CH <sub>3</sub> COCH <sub>3</sub> )	max. 0.001 %
Ethanol (C <sub>2</sub> H <sub>5</sub> OH)	max. 0.05 %
Formaldehyde (HCHO)	max. 0.001 %
Reducing substances	max. 0.00025 %
Carbonyl compounds (as CO)	max. 0.001 %
Residue on evaporation	max. 0.001 %
Readily carbonisable substances	complies
Substances darkened by H <sub>2</sub> SO <sub>4</sub>	complies
Solubility in water	complies
Colour (APHA)	max. 10
Acidity	max. 0.0003 meq/g
Alkalinity	max. 0.0002 meq/g
Absorption at 230 nm	max. 0.15
Absorption at 250 nm	max. 0.05
Absorption at 270 nm	max. 0.02
Absorption at 290 nm	max. 0.01

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Parameter	Value
Benzene	max. 2 ppm

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