



Material	20847.307
Material description	Methanol
Grade	AnalaR NORMAPUR Reag. Ph.Eur., ACS
CAS Number	67-56-1
Molecular formula	CH ₄ O
Molecular mass	32.04

Characteristics

Specifications

Assay (on anhydrous substance)	Min. 99.8 %
Appearance	Clear colourless liquid
IR Spectrum	Passes test
Solubility in water	Passes test ACS
Acidity	Max. 0.0002 meq/g
Alkalinity	Max. 0.00006 meq/g
Boiling point	64 → 65 °C
Colouration	Max. 10 APHA
Density (20/4)	0.791 → 0.792
Density (20/20)	0.791 → 0.793
Substances coloured by H ₂ SO ₄	Max. 10 APHA
Acetone	Max. 5 ppm
Acetone + aldehydes (as CH ₃ COCH ₃)	Max. 10 ppm
Acetaldehyde	Max. 5 ppm
Ethanol	Max. 0.1 %
Evaporation residue	Max. 10 ppm
Formaldehyde	Max. 1 ppm
Substances reducing KMnO ₄ (as O)	Max. 2 ppm
Water	Max. 0.05 %
Cl (Chloride)	Max. 0.5 ppm
Al (Aluminium)	Max. 0.1 ppm
B (Boron)	Max. 0.05 ppm
Ba (Barium)	Max. 0.05 ppm
Ca (Calcium)	Max. 0.5 ppm
Cd (Cadmium)	Max. 0.01 ppm
Co (Cobalt)	Max. 0.01 ppm
Cr (Chromium)	Max. 0.02 ppm
Cu (Copper)	Max. 0.01 ppm

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Characteristics	Specifications
Fe (Iron)	Max. 0.1 ppm
K (Potassium)	Max. 0.1 ppm
Mg (Magnesium)	Max. 0.05 ppm
Mn (Manganese)	Max. 0.01 ppm
Na (Sodium)	Max. 0.7 ppm
Ni (Nickel)	Max. 0.01 ppm
Pb (Lead)	Max. 0.01 ppm
Sn (Tin)	Max. 0.1 ppm
Sr (Strontium)	Max. 0.02 ppm
Zn (Zinc)	Max. 0.2 ppm
Absorbance (225 nm)	Max. 0.17
Transmittance (210 nm)	Min. 20 %
Transmittance (220 nm)	Min. 50 %
Transmittance (225 nm)	Min. 68 %
Transmittance (250 nm)	Min. 95 %
Transmittance (260 nm)	Min. 98 %
Conforms to ACS	Passes test
Conforms Ph.Eur. R 1053200	Passes test
Conforms Ph.Eur. R1 1053201	Passes test
Conforms Ph.Eur. R2 1053202	Passes test

Signature

We certify that this batch conforms to the specifications listed above.

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

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