TECHNICAL BROCHURE
Nº 555800

CHEMICALS

ALCOHOLS

METHANOL

Also known as methyl alcohol (CH3OH), methanol is obtained by reforming of natural gas as a combination of carbon oxides and hydrogen.
After synthesized under pressure in a catalytic process, crude methanol is purified by distillation to chemical grade.

APPLICATIONS

Methyl alcohol or methanol is used to produce formaldehyde (chemical intermediate for the production of urea-formaldehyde and phenol-formaldehyde resins); to manufacture antifreezes, MTBE (methyl tert-butyl ether) an important component of fuels for internal combustion engines; to denature ethyl alcohol, and as solvent for common uses.

SPECIFICATIONS

Analysis	Specifications	Methods
Distillation Range (°C)	max. 1 (°C) incl. 64.6 +/- 0.1	ASTM D1078
Acetone (wt %)	max. 0.002	IMPCA 001
Alkalinity as NH_4OH (wt %)	max. 0.003	ASTM D1614
Acidity as Acetic Acid (wt %)	max. 0.003	ASTM D1613
Ethanol (wt %)	max. 0.005	IMPCA 001
Carbonizable content (Colour Pt/Co Scale)	max. 30	INS_-0009524
Colour (Pt/Co Scale)	max. 5	ASTM D5386/ASTM D1209
Methanol (wt %)	min. 99.85	IMPCA 001
Water (wt %)	max. 0.10	ASTM E1064
Permanganate time (minutes)	min. 60	ASTM D1363
Density 15 °C (g/ml)	max. 0.7964	ASTM D4052
Specific gravity 20°C/20°C	max. 0.7930	ASTM D4052

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Non volatile residue (mg/100 ml)	max. 0.8	ASTM D1353
Appearance	Clear and free from suspended matter	IMPCA 003
Hydrocarbons. Miscibility on water	PASS	ASTM D1722
Chlorides (mg/kg)	max. 0.5	IMPCA 002
Sulphur (mg/kg)	max. 0.5	ASTM D4045/ASTM D5453/ UOP 987
Soluble Iron (mg/kg)	max. 0.1	ASTM E394

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