

**CHEMICALS** 



# TECHNICAL BROCHURE N° 555700

## ALCOHOLS

# **DENATURED 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.

Finally, it is denatured for certain uses.

## **APPLICATIONS**

Solvent, fuel, and raw material in the synthesis of various chemical compounds. The addition of a denaturant prevents it from reaching human consumption.

#### **SPECIFICATIONS**

Analysis	Specifications	Methods
Distillation Range (°C)	max. 1.0	ASTM D1078
Acetone (mg/kg)	max. 20	IMPCA 001
Alkalinity as NH₄OH	max. 0.0030	ASTM D1614
(wt %)		
Acidity as Acetic Acid	max 0.0030	ASTM D1613
(wt %)		
Ethanol (mg/kg)	max. 50	IMPCA 001
Carbonizables	max 30	ASTM F346
(Colour Pt/Co Scale)		
Colour (Pt/Co Scale)	max. 5	ASTM D1209 /
		ASTM D5386
Purity on dry basis	min. 99.85	IMPCA 001
(wt %)		
Water (wt %)	max. 0.100	ASTM E1064
Permanganate time	min 60	ASTM D1363
(minutes)		
Density 15°C (g/ml)	max. 0.7964	ASTM D4052

#### May 2025 REV.: 00

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Specific gravity	0.7910-0.7930	ASTM D4052
20°C/20°C		
Non-volatile residue	max. 8	ASTM D1353
(mg/1000 ml)		
Appearance	Clear liquid, free from	IMPCA 003
	suspended material	
Miscibility on water	PASS	ASTM D1722
(Hydrocarbons)		
Chlorides (mg/kg)	max. 0.5	IMPCA 002
Sulfur (mg/kg)	max. 0.5	ASTM D3961 /
		ASTM D5453
Total soluble Iron	max. 0.10	ASTM E394
(mg/kg)		
Denaturant (mg/l)	Requirement INV	INS00702156
	Resolution in force	

-The methods used correspond to current Standards, or to the latest version thereof before their withdrawal.

-All analyses are performed on each tank/batch sold, except for the denaturant, which is monitored on the loading line using a dual, independent, traceable volumetric system.

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