

Methanol (MeOH)

Properties

CAS NO. 67-56-1

Molecular Weight	32.04 g/mol
Boiling Point @ 1.0 atm	64.50 °C
Vapor Pressure @ 20°C	0.128 kg/cm2
Freezing Point	-97.50 °C
Net Heating Value	1883 million BTU/Ton
Vapor Density (air = 1 @ 15°C)	1.11

Specifications

Component	Unit	Value	Test Method
Methanol purity	Wt %	> 99.85	MAWI - 32
Ethanol	mg/kg	< 10	MAWI - 33
Acetone	mg/kg	< 20	MAWI - 34
Acidity (as acetic acid)	mg/kg	< 30	ASTM D1613
Color (APHA)	Pt/Co	< 5	ASTM D1209
Sulphuric Acid Test (Carbonizable Impurities)	Pt/Co	< 30	ASTM E346
Boiling Point Range (to include 64.6 ± 0.1)	°C	< 1	ASTM D1078
Dry Residue	mg/liter	< 10	ASTM D1353
Sp.gravity @ 20°C	-	0.792 ± 0.001	MAWI - 71
Permanganate Number	minute	> 30	ASTM D1363
Water Content	Wt%	< 0.1	ASTM E203

Major Applications

- Formaldehyde
- MTO
- Acetic Acid
- MTBE
- Fuel and Fuel Additives

Packing

- ISO Tanker
- Road Tanker