

TIQ-F-QC-003  
 Rev.00

## Technical Data Sheet

# METHANOL (DRIED) ANHYDROUS 99,8 % AR

Methyl alcohol; Wood alcohol; Methylol; Wood Spirit, Carbinol, Hydroxymethane, MeOH



<b>Product Code</b>	B-3049	<b>Grade</b>	Analytical Reagent
<b>Purity</b>	99,8%	<b>CAS No</b>	67-56-1
<b>Molecular Formula</b>	CH <sub>3</sub> OH	<b>Molecular Weight</b>	32.04 g/mol
<b>H.S.Code</b>	2905.1100	<b>Shelf Life</b>	60 Months

## Physical Properties

<b>Physical state at 20 °C</b>	Liquid	<b>Colour</b>	Colourless
<b>Melting point</b>	-98 °C	<b>Vapour density</b>	1,11
<b>Boiling point</b>	64,7 °C	<b>Relative density</b>	0,791 g/mL at 25 °C
<b>Flash point</b>	9,7 °C	<b>Solubility in water</b>	1.000 g/l at 20 °C
<b>Evaporate rate</b>	6,3 - Diethyl ether 1,9 - n-butyl acetate	<b>Partition coefficient: noctanol/water</b>	log Pow: -0,77
<b>Vapour pressure</b>	169,27 hPa at 25 °C	<b>Auto-ignition temperature</b>	455,0 °C at 1.013 hPa
<b>Explosion limits-lower (%)</b>	5.50 %	<b>Explosion limits – upper (%)</b>	44 %

## Packaging

4000 ml

## Specification

Appearance	Clear Colourless liquid
Assay [(CH <sub>3</sub> OH) by GC]	min 99.8 %
Colour	max 10 APHA
Wt. Per ml at 20 °C	0.790 – 0.793 g/cm <sup>3</sup>
Water (H <sub>2</sub> O)	max 0.01 %
Residu after evaporation	max 0.001 %
Substances darkened by H <sub>2</sub> SO <sub>4</sub>	passes test
Substances reducing KMnO <sub>4</sub>	passes test
Acetone (GC)	max 0.05 %
Ethanol (GC)	max 0.1 %
Acidity	max 0.0005 meq/g
Alkalinity	max 0.0002 meq/g
Substances darkened ( by H <sub>2</sub> SO <sub>4</sub> )	passes test

## Safety Information and Hazard Symbols



Symbol: GHS02, GHS06, GHS08

Signal Word: Danger

UN No.: 1230

IMCO Class No.: 3,6.1

Packing Group: II

Hazardous Statement: H225-H301-H311-H331-H370

Precaution Statement: P210-P260-P280-P301+P310+P330-P308+P311-P370+P378-P403+P233