

TIQ-F-QC-003
 Rev.00

Technical Data Sheet

METHANOL 99,8 % for HPLC & SPECTROSCOPY

Methyl alcohol, MeOH



| | | | |
|--------------------------|--------------------|-------------------------|-------------------------|
| Product Code | B-3048 | Grade | For HPLC & Spectroscopy |
| Purity | Min 99,8% | CAS No | 67-56-1 |
| Molecular Formula | CH ₃ OH | Molecular Weight | 32.04 g/mol |
| H.S.Code | 2905.1100 | Shelf Life | 60 Months |

Physical Properties

| | | | |
|--|-----------------------|---|--|
| Physical state at 20 °C | Liquid | Colour | Colourless |
| Odour | Characteristic | Melting Point/ Freezing point (°C) | -98 °C |
| Auto-ignition temperature | 455,0 °C at 1.013 hPa | Flash point | 9,7 °C |
| Boiling Point | 64.7 °C | Vapour pressure (20 °C) | 169,27 (20 °C) |
| Vapour Density | 1.11 | Density (g/cm³) | 0.791 |
| Solubility in water (% weight) | 1.000 g/l at 20 °C - | Explosion limits – upper (%) | 44% |
| Explosion limits-lower (%) | 5.50 % | Evaporation rate | 6,3 - Diethyl ether 1,9 - n-butyl acetate |
| Partition coefficient: noctanol/water | log Pow: -0,77 | | |

Packaging

2500 ml

Specification

| | |
|--|---------------------------------|
| Appearance | A Clear colorless liquid |
| Assay (GC) | min 99.8 % |
| Color | max 10 Hazen |
| Wt.per ml at 20 °C | 0.789 – 0.792 g/cm ³ |
| Refractive Index (n ²⁰ _D) | 1.327 – 1.330 |
| Water (H ₂ O) (by KF) | Max 0.1 % |
| Residu on evaporation | max 0.001 % |
| Titrate acid | max 0.0003 meq/g |

| | |
|---|------------------|
| Titration base | max 0.0002 meq/g |
| Ethanol (GC) | max 0.1 % |
| Acetone (GC) | max 0.001 % |
| Acetaldehyde (CH ₃ CHO) | max 0.001 % |
| Formaldehyde (HCHO) | max 0.001 % |
| Solubility in water | passes test |
| Substances darkened (by H ₂ SO ₄) | 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