

F-QC-001 Rev.00

## Certificate Of Analysis



Product Name : Methanol 99.8 % AR

Catalog Number : B-3047

Batch Number : 3047-000000

CAS Number : 67-56-1

Molecular Weight : 32.04 g/mol

Mol. Formula : CH<sub>3</sub>OH

Expire Date : 60 Months

| No | Test                                                      | Specifications                  | Results                  |
|----|-----------------------------------------------------------|---------------------------------|--------------------------|
| 1  | Appearance                                                | A clear colorless liquid        | A clear colorless liquid |
| 2  | Assay (GC)                                                | min 99.8 %                      | 99.97%                   |
| 3  | Wt. Per ml at 20 °C                                       | 0.789 – 0.792 g/cm <sup>3</sup> | 0.792 g/cm <sup>3</sup>  |
| 4  | Colour                                                    | max 10 Hazen                    | 7 Hazen                  |
| 5  | Refractive Index (n <sub>D</sub> <sup>20</sup> )          | 1.327 – 1.330                   | 1.328                    |
| 6  | Water (H <sub>2</sub> O) (by KF)                          | max 0.1 %                       | 0.02%                    |
| 7  | Residu on evaporation                                     | max 0.001 %                     | 0.00051%                 |
| 8  | Titrate acid                                              | max 0.0003 meq/g                | 0.0001 meq/g             |
| 9  | Titrate base                                              | max 0.0002 meq/g                | Nil                      |
| 10 | Ethanol (GC)                                              | max 0.1 %                       | 0.0008%                  |
| 11 | Acetone (GC)                                              | max 0.001 %                     | 0.00063%                 |
| 12 | Acetaldehyde (CH <sub>3</sub> CHO)                        | max 0.001 %                     | 0.0005%                  |
| 13 | Formaldehyde (HCHO)                                       | max 0.001 %                     | 0.0007%                  |
| 14 | Solubility in water                                       | passes test                     | Passes                   |
| 15 | Substances darkened ( by H <sub>2</sub> SO <sub>4</sub> ) | passes test                     | Passes                   |
| 16 | Substances Reducing KMnO <sub>4</sub> (as O)              | passes test                     | Passes                   |

Corresponds to AR / ACS Grade

**LABOTIQ** Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.  
Manager QC