

F-QC-001 Rev.00

## Certificate Of Analysis

Product Name : Ethylenedichloride (1,2-Dichloroethane ) AR

Catalog Number : B-3035

Batch Number : 3035-00000000

CAS Number : 107-06-2

Molecular Weight : 98.96 g/mol

Mol. Formula : C<sub>2</sub>H<sub>4</sub>Cl<sub>2</sub>

Expire Date : 60 Months

SAMPLE

| No | Test                                              | Specifications                  | Results                   |
|----|---------------------------------------------------|---------------------------------|---------------------------|
| 1  | Appearance                                        | A clear colourless liquid       | A clear colourless liquid |
| 2  | Assay (GC)                                        | min 99.0 %                      | 99.98 %                   |
| 3  | Wt. Per ml at 20 °C                               | 1.252 – 1.254 g/cm <sup>3</sup> | 1.253 g/cm <sup>3</sup>   |
| 4  | Colour                                            | max 10 Hazen                    | < 10 Hazen                |
| 5  | Refractive Index ( n <sub>D</sub> <sup>20</sup> ) | 1.443 – 1.445                   | 1.444                     |
| 6  | Water (H <sub>2</sub> O)                          | max 0.05 %                      | 0.021%                    |
| 7  | Non-volatile matter                               | max 0.002 %                     | 0.001%                    |
| 8  | Acidity (HCl)                                     | max 0.001 %                     | 0.001%                    |
| 9  | Free chlorine (Cl)                                | max 0.0001 %                    | 0.00005 %                 |
| 10 | Copper (Cu)                                       | max 0.0001 %                    | 0.00002 %                 |
| 11 | Iron (Fe)                                         | max 0.0001 %                    | 0.00008 %                 |
| 12 | Lead (Pb)                                         | max 0.0001 %                    | 0.00003 %                 |
| 13 | Substance reducing KMnO <sub>4</sub> (as O)       | max 0.0001 %                    | < 0.0001 %                |

Corresponds to AR / ACS Grade

**LABOTIQ** Standard of Product Reference to Analar standard and ACS specification

SUDIROS S.Si.  
Manager QC