

F-QC-001 Rev.00

**Certificate Of Analysis**

Product Name : Pyridine 99.5 % AR

Catalog Number : B-3067

Batch Number : 3067-000000

CAS Number : 110-86-1

Molecular Weight : 79.10 g/mol

Mol. Formula : C<sub>5</sub>H<sub>5</sub>N

Expire Date : 60 Months

| No | Test                                             | Specifications                                    | Results                                           |
|----|--------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| 1  | Appearance                                       | A clear colorless liquid with characteristic odor | A clear colorless liquid with characteristic odor |
| 2  | Assay (GC)                                       | min 99.5 %                                        | 99.85%                                            |
| 3  | Wt.per ml at 20 °C                               | 0.982 – 0.983 g/cm <sup>3</sup>                   | 0.982 g/cm <sup>3</sup>                           |
| 4  | Refractive Index (n <sub>D</sub> <sup>20</sup> ) | 1.509 – 1.510                                     | 1.509                                             |
| 5  | Non-volatile matter                              | max 0.002 %                                       | 0.00035%                                          |
| 6  | Insoluble matter in water                        | passes test                                       | Passes                                            |
| 7  | Water (H <sub>2</sub> O)                         | max 0.1 %                                         | 0.063%                                            |
| 8  | Chloride (Cl)                                    | max 0.0005 %                                      | 0.00001%                                          |
| 9  | Sulfate (SO <sub>4</sub> )                       | max 0.0005 %                                      | 0.00013%                                          |
| 10 | Ammonia (NH <sub>3</sub> )                       | max 0.002 %                                       | 0.0006%                                           |
| 11 | Copper (Cu)                                      | max 0.0002 %                                      | 0.000031%                                         |
| 12 | Iron (Fe)                                        | max 0.0002 %                                      | 0.00004%                                          |
| 13 | Lead (Pb)                                        | max 0.0001 %                                      | 0.000053%                                         |
| 14 | 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 specificationSUDIROS S.Si.  
Manager QC