

F-QC-001 Rev.00

## Certificate Of Analysis

Product Name : Acetonitrile 99.9% for HPLC &amp; UV Spectroscopy

Catalog Number : B-3006

Batch Number : 3006-00000000

CAS Number : 75-05-8

Molecular Weight : 41.05 g/mol

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

Expire Date : 60 Months

**SAMPLE**

| No | Test                            | Specifications                  | Results                 |
|----|---------------------------------|---------------------------------|-------------------------|
| 1  | Appearance                      | Clear colorless liquid          | Clear colorless liquid  |
| 2  | Assay (GC)                      | min 99.9 %                      | 99.99%                  |
| 3  | Colour                          | max 10 Hazen                    | < 10                    |
| 4  | Wt.per ml at 20 °C              | 0.782 – 0.783 g/cm <sup>3</sup> | 0.782 g/cm <sup>3</sup> |
| 5  | Residu on evaporation           | max 0.0005 %                    | 0.00041%                |
| 6  | Water (H <sub>2</sub> O)        | max 0.05 %                      | 0.013%                  |
| 7  | Acidity ( CH <sub>3</sub> COOH) | max 0.0005 meq/g                | 0.0001 meq/g            |
| 8  | Alkalinity                      | max 0.0005 meq/g                | Nil                     |
| 9  | UV Transmittance at λ :         |                                 |                         |
| 10 | 240 nm                          | min 98 %                        | 100.91%                 |
| 11 | 200 nm                          | min 90 %                        | 93.73%                  |
| 12 | 195 nm                          | min 70 %                        | 82.16%                  |

Corresponds to HPLC &amp; UV Spectroscopy Grade

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

SUDIROS S.Si.  
Manager QC