



# Specification

1.00030.0000 Acetonitrile gradient grade for liquid chromatography LiChrosolv®  
Reag. Ph Eur

| Specification                       |          |         |
|-------------------------------------|----------|---------|
| Purity (GC)                         | ≥ 99.9   | %       |
| Identity (IR)                       | conforms |         |
| Evaporation residue                 | ≤ 2.0    | mg/l    |
| Water                               | ≤ 0.02   | %       |
| Color                               | ≤ 10     | Hazen   |
| Density (d 20 °C/20 °C)             | 0.78     |         |
| Refractive index (n 20/D)           | 1.344    |         |
| Boiling range (80-82°C)             | ≥ 95     | % (v/v) |
| Acidity                             | ≤ 0.0002 | meq/g   |
| Alkalinity                          | ≤ 0.0002 | meq/g   |
| Gradient grade (at 210 nm)          | ≤ 1.0    | mAU     |
| Gradient grade (at 254 nm)          | ≤ 0.5    | mAU     |
| Fluorescence (as quinine at 254 nm) | ≤ 1.0    | ppb     |
| Fluorescence (as quinine at 365 nm) | ≤ 0.5    | ppb     |
| Transmission (at 193 nm)            | ≥ 60     | %       |
| Transmission (at 195 nm)            | ≥ 80     | %       |
| Transmission (from 230 nm)          | ≥ 98     | %       |

Filtered by 0.2 µm filter.

Suitable for UPLC / UHPLC / Ultra HPLC - instruments.

Conforms to Acetonitrile for chromatography and Acetonitrile R1 according to Reag.Ph Eur;  
conforms to the requirements of ACS for liquid chromatography suitability.

Jeannette David

Responsible laboratory manager quality control

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