



# Specification

1.06007.2500 Methanol 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)             | 0.791 - 0.793 |       |
| Boiling point                       | 64 - 65       | °C    |
| Acidity                             | ≤ 0.0002      | meq/g |
| Alkalinity                          | ≤ 0.0002      | meq/g |
| Gradient grade (at 235 nm)          | ≤ 2.0         | mAU   |
| Gradient grade (at 254 nm)          | ≤ 1.0         | mAU   |
| Fluorescence (as quinine at 254 nm) | ≤ 1.0         | ppb   |
| Fluorescence (as quinine at 365 nm) | ≤ 0.5         | ppb   |
| Transmission (at 210 nm)            | ≥ 20          | %     |
| Transmission (at 220 nm)            | ≥ 60          | %     |
| Transmission (at 230 nm)            | ≥ 75          | %     |
| Transmission (at 235 nm)            | ≥ 83          | %     |
| Transmission (at 250 nm)            | ≥ 95          | %     |
| Transmission (from 260 nm)          | ≥ 98          | %     |
| Absorbance (at 225 nm)              | ≤ 0.170       |       |

Filtered by 0.2 µm filter.

Suitable for UPLC / UHPLC / Ultra HPLC - instruments.

Conforms to Methanol R1 and R2 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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