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**CERTIFICATE OF ANALYSIS****AC0329\_24332203/1**

Product Acetonitrile, gradient 240nm/ far UV HPLC grade

Batch 24332203

**AC0329**

Quality release date 27/11/2023

Expiry date 11/2028

| Analysis                          | Batch value   | Specifications |
|-----------------------------------|---------------|----------------|
| Assay (G.C.)                      | 99,99 %       | ≥ 99,9         |
| Identity (IR-Spectrum)            | passes test   | passes test    |
| Density (20°/4°)                  | 0,7823 g/mL   | 0,779 - 0,783  |
| Acidity                           | 0,00014 meq/g | ≤ 0,0002       |
| Alkalinity                        | 0,00001 meq/g | ≤ 0,0001       |
| Residue on evaporation            | 0,0001 %      | ≤ 0,0002       |
| Water (K.F.)                      | 0,0089 %      | ≤ 0,02         |
| Gradient grade (240 nm)           |               |                |
| maximum background absorbance:    | 0,002 AU      | ≤ 0,01         |
| maximum peak absorbance:          | 0,0009 AU     | ≤ 0,0015       |
| UV Spectroscopy in a 1,0 cm cell: |               |                |
| min. transmission at 200 nm       | 94,38 %       | ≥ 90           |
| min. transmission at 205 nm       | 95,97 %       | ≥ 92           |
| min. transmission at 210 nm       | 96,78 %       | ≥ 95           |
| min. transmission at 220 nm       | 98,01 %       | ≥ 98           |
| max. absorbance at 200 nm         | 0,025 AU      | ≤ 0,046        |
| max. absorbance at 205 nm         | 0,018 AU      | ≤ 0,036        |
| max. absorbance at 210 nm         | 0,014 AU      | ≤ 0,022        |
| max. absorbance at 220 nm         | 0,009 AU      | ≤ 0,009        |

Microfiltered through membranes of pore diameter 0,22 µm.

For laboratory use only.