

# ANALYSENZERTIFIKAT

## CERTIFICATE OF ANALYSIS

|                              |                          |               |
|------------------------------|--------------------------|---------------|
| <b>Methanol</b> für UHPLC-MS | <b>Kat.Nr./Cat.No. :</b> | <b>45635</b>  |
| Methanol for UHPLC-MS        | <b>Lot/Contr.No. :</b>   | <b>230276</b> |

| Parameter<br>parameter                                      | Methode<br>method                                | Spezifikation<br>specification                          | Ergebnis<br>result             |
|-------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|--------------------------------|
| <b>Summenformel</b><br>formula                              |                                                  | CH <sub>3</sub> OH                                      |                                |
| <b>Molekulargewicht</b><br>molecular weight                 |                                                  | 32.04                                                   |                                |
| <b>Aussehen</b><br>appearance                               |                                                  | klare, farblose Flüssigkeit<br>clear, colourless liquid | entspricht<br>corresponds      |
| <b>Gehalt (%)</b><br>assay                                  | GC                                               | min. 99.99                                              | 100.00                         |
| <b>Brechungsindex/</b> refractive index                     | 20 °C                                            | 1.3270 – 1.3300                                         | 1.3285                         |
| <b>Azidität/</b> acidity (meq/g)                            |                                                  | ≤ 0.0003                                                | < 0.0003                       |
| <b>Alkalinität/</b> alkalinity (meq/g)                      |                                                  | ≤ 0.00006                                               | < 0.00006                      |
| <b>Wasser/</b> water (ppm)                                  | KF                                               | ≤ 200                                                   | 19                             |
| <b>Abdampfrückstand (ppm)</b><br>residue on evaporation     |                                                  | ≤ 1                                                     | < 1                            |
| <b>Transmission (%)</b><br>transmittance                    | 210 nm<br>225 nm<br>230 nm<br>≥ 260 nm           | min. 40.0<br>min. 70.0<br>min. 80.0<br>min. 98.0        | 43<br>78<br>84<br>> 98         |
| <b>Fluoreszenz (Chinin) (ppb)</b><br>fluorescence (quinine) | 254 nm<br>365 nm                                 | max. 1<br>max. 1                                        | < 1<br>< 1                     |
| <b>UHPLC Gradienten-Peak (mAU)</b>                          | 220 nm<br>235 nm<br>Drift 220 nm<br>Drift 235 nm | max. 4<br>max. 2<br>max. 30<br>max. 10                  | < 4<br>< 2<br>< 30<br>< 10     |
| <b>Sensitive impurities (ppb)</b><br>(reserpine)            | Test LC-MS TIC<br>(50 – 2000 m/z) ESI(+)         | max. 30                                                 | < 30                           |
| <b>Metalle/</b> metals (ppb)                                | Na, K, Ca<br>Al, Fe, Mg                          | max. 50 je/ each<br>max. 20 je/ each                    | < 50 je/ each<br>< 20 je/ each |
| <b>Mindesthaltbarkeit</b><br>minimum shelf life             |                                                  |                                                         | 03.03.2026                     |
| <b>Lagerung/storage (°C)</b>                                |                                                  |                                                         | +15 bis/ to +30                |

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**SERVA Electrophoresis GmbH**  
**Qualitätskontrolle/ Quality Control**

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