Certificate of Analysis

1.88005.1000 CombiTitrant 5 one-component reagent for volumetric Karl Fischer titration 1 ml ≙ ca. 5 mg H_2O Aquastar®

Batch HX57191905

	Spec. Values		Batch Values	
Efficiency	≥ 5	mg/ml	5.38	mg/ml

The concentration (efficiency) of Karl Fischer titrants decreases over time. Therefore the titer, being a corrective factor that compensates for this effect as well as variations of equipment, personal handling and laboratory conditions, must be determined directly after opening a new bottle and should be verified at regular intervals.

Date of release (DD.MM.YYYY) 11.06.2025
Minimum shelf life (DD.MM.YYYY) 30.06.2028

Ayfer Yildirim
Responsible laboratory manager quality control

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Certificate of Analysis

1.06007.4000 Methanol gradient grade for liquid chromatography LiChrosolv® Reag. Ph Eur

Batch I1366607

	Batch Values	
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)	0.793	
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)	0.131	

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.

Date of release (DD.MM.YYYY) 20.08.2024
Minimum shelf life (DD.MM.YYYY) 31.07.2027

Jeannette David
Responsible laboratory manager quality control

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