

Quality certificate
 Technical data for Validation of
 LCK505 Ammonium
 (0.5 – 5.0 mg/L NH₄-N)

Quality certificate
 Rev. 27-May-2020

Technical data for cuvette test LCK505

Sensitivity	0.164 Abs./mg/L
Ordinate intercept	0.071 Abs.
Residual standard deviation	0.0032 Abs.
Method variation coefficient	0.72 %
Method standard deviation	0.020 mg/L
Confidence interval (95%)	0.048 mg/L
Correlation coefficient (r ²)	0.9999

The technical data for cuvette test LCK505 were determined in conformity with ISO 8466-2 and DIN 38402 A51 „Calibration of analysis methods“.

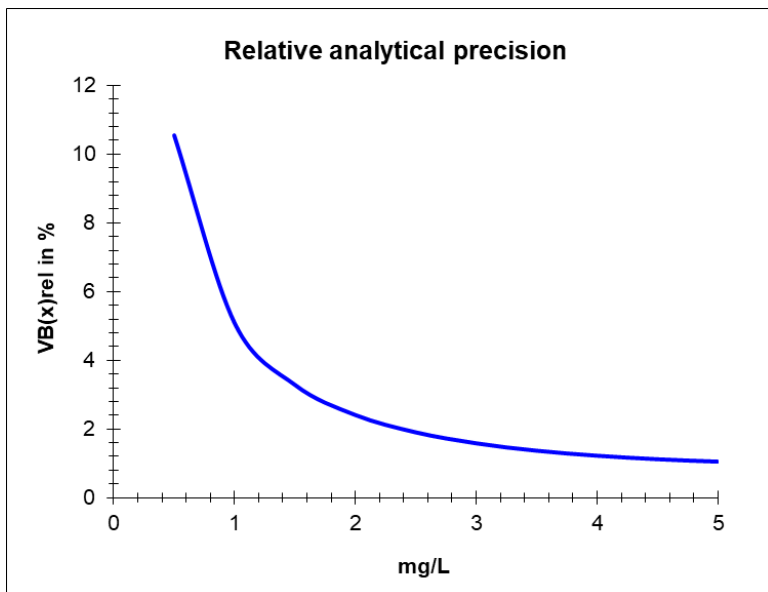
The series of the smallest and largest calibration standards exhibit normal distribution and are outlier- and trend-free.

The calibration gives a linear function.

Technical data in conformity with DIN 32645

Detection limit	0.028 mg/L
Quantitation limit	0.085 mg/L

The detection and the quantitation limits were determined in conformity with DIN 32645.



Result	Confidence interval (95%)
1.0 mg/L	± 0.051 mg/L
2.0 mg/L	± 0.048 mg/L
3.0 mg/L	± 0.048 mg/L
4.0 mg/L	± 0.049 mg/L
5.0 mg/L	± 0.053 mg/L

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