

Quality certificate  
Technical data for Validation of  
LCK503 Ammonium  
(10 - 100 mg/L NH<sub>4</sub>-N)

Quality certificate  
Rev. 22-June-2020

Technical data for cuvette test LCK503

Sensitivity	0.0216Abs./mg/L
Ordinate intercept	0.059 Abs.
Residual standard deviation	0.0109 Abs.
Method variation coefficient	0.92 %
Method standard deviation	0.50 mg/L
Confidence interval (95%)	1.21 mg/L
Correlation coefficient (r <sup>2</sup> )	0.9999

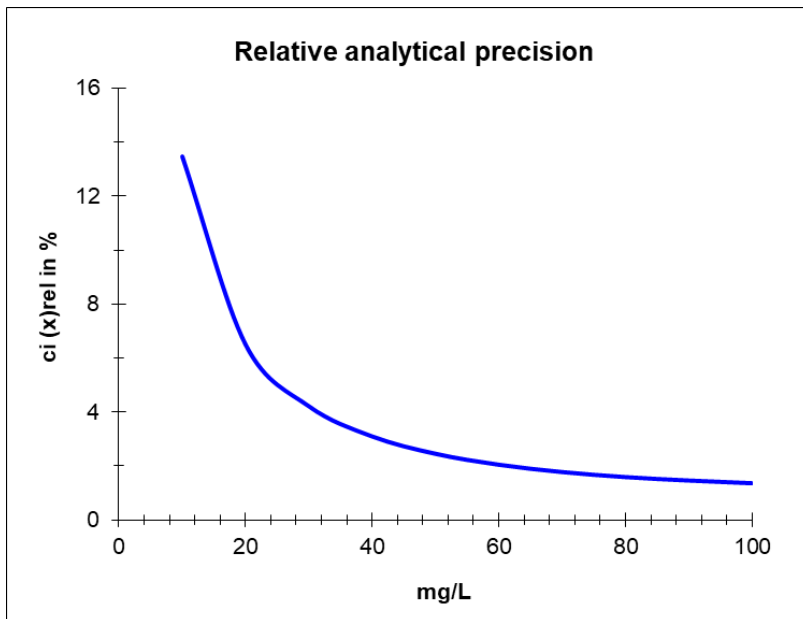
The technical data for cuvette test LCK503 were determined in conformity with ISO 8466-1 and DIN 38402 A51 „Calibration of analysis methods“.

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	0.17 mg/L
Quantitation limit	0.52 mg/L

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



Result	Confidence interval (95%)
20 mg/L	± 1.3 mg/L
40 mg/L	± 1.2 mg/L
60 mg/L	± 1.2 mg/L
80 mg/L	± 1.3 mg/L
100 mg/L	± 1.3 mg/L

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