

Quality certificate
Technical data for Validation of
of LCK326 Magnesium
(10-50 mg/L Mg)

Quality certificate
Rev. 25-11-2025

Technical data for cuvette test LCK326

Sensitivity	0.0116 Abs./mg/L
Ordinate intercept	-0.058 Abs.
Residual standard deviation	0.0052 Abs.
Method variation coefficient	1.50 %
Method standard deviation	0.449 mg/L
Confidence interval (95%)	1.09 mg/L
Correlation coefficient (r^2)	0.9993

The technical data for cuvette test LCK326 were determined in conformity with ISO 8466-1 and DIN 38402 A51 „Calibration of analysis methods“.

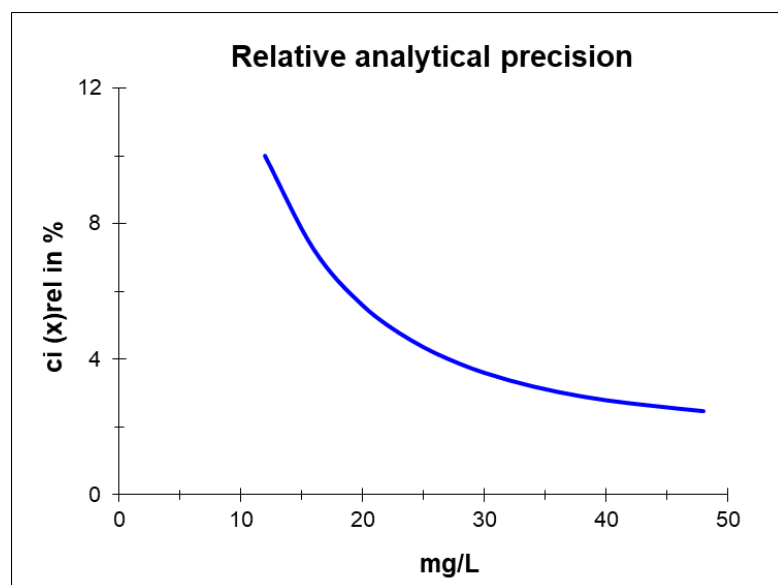
The series of the smallest and largest calibration standards exhibit normal distribution and are outlier- and trend-free.

The calibration gives a linear function.

Technical data in conformity with DIN 32645

Detection limit	0.34 mg/L
Quantitation limit	1.03 mg/L

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



Result	Confidence interval (95%)
16 mg/L	± 1.16 mg/L
24 mg/L	± 1.10 mg/L
32 mg/L	± 1.08 mg/L
40 mg/L	± 1.12 mg/L
48 mg/L	± 1.19 mg/L

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