Quality certificate
Technical data for Validation
of LCK339 (1-60 mg/l Nitrate)

Quality certificate

Technical data for cuvette test LCK339
(Results as NO_3)

Sensitivity	0.0182 Abs./(mg/l)
Ordinate intersect	0.048 Abs.
Residual standard deviation	0.0035 Abs.
Method variation coefficient	0.57 %
Method standard deviation	0.19 mg/l
Confidence intervall (95%)	$\pm$ 0.45 mg/l

The technical data for cuvette test LCK339 were determined in conformity with ISO 8466-1 and DIN 38402 A51 „Calibration of analysis methods".
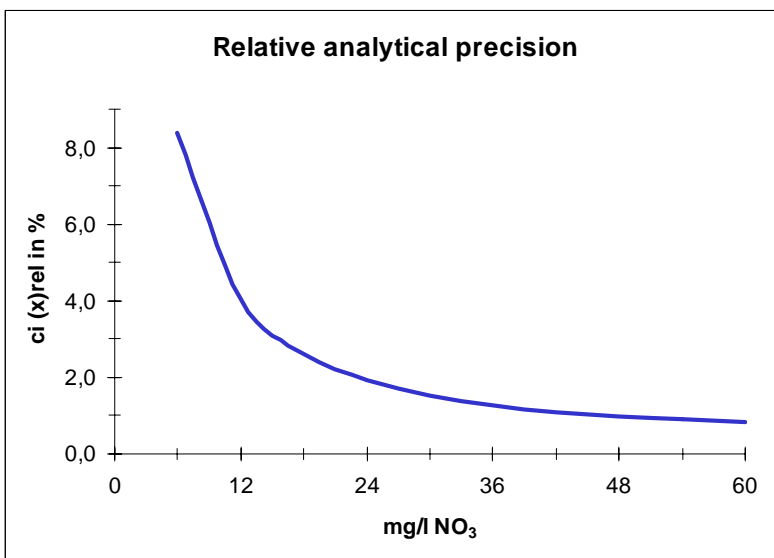
The series of the smallest and largest calibration standards exhibit normal distribution and are outlier- and trend-free.
The calibration gives a linear function.

Technical data in conformity with DIN 32645

Detection limit	0.210 mg/l
Quantitation limit	0.629 mg/l

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

Relative analytical precision

Result	Confidence intervall
12.0 mg/l	$\pm$ 0.48 mg/l
24.0 mg/l	$\pm$ 0.46 mg/l
36.0 mg/l	$\pm$ 0.46 mg/l
48.0 mg/l	$\pm$ 0.47 mg/l
60.0 mg/l	$\pm$ 0.50 mg/l

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