Quality certificate
Technical data for Validation
of LCK342 (2-20 mg/l Nitrite)

Quality certificate

Technical data for cuvette test LCK342
(Results as NO_2)

Sensitivity	0.062 Abs./(mg/l)
Ordinate intersect	0.096 Abs.
Residual standard deviation	0.0108 Abs.
Method variation coefficient	1.56 %
Method standard deviation	0.171 mg/l
Confidence intervall (95%)	± 0.41 mg/l

The technical data for cuvette test LCK342 were determined in conformity with ISO 8466-1 and DIN 38402 A51 „Calibration of analysis methods".
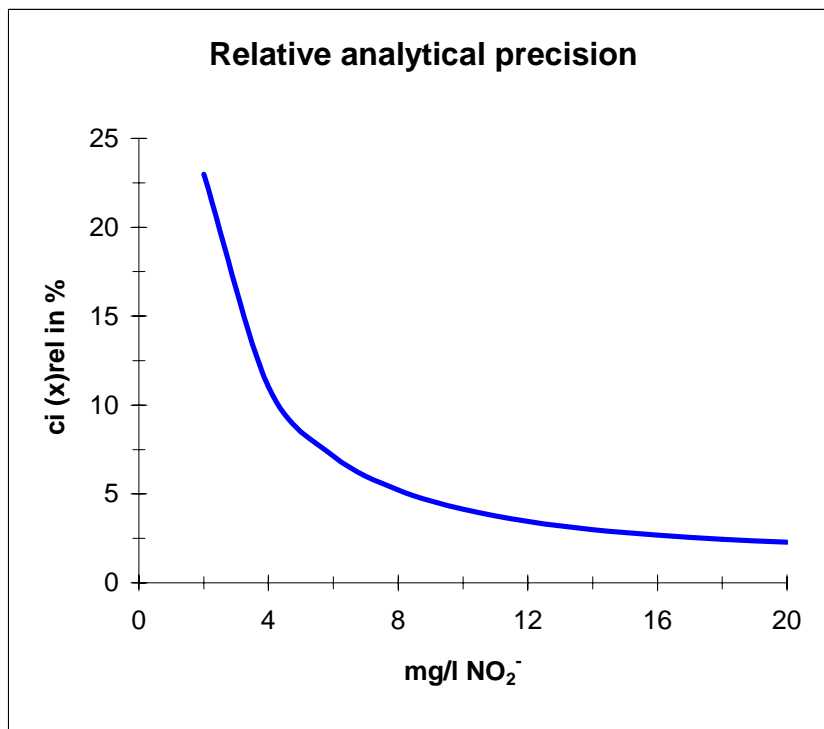
The series of the smallest and largest calibration standards exhibit normal distribution and are outlier- and trend-free.
The calibration gives a linear function.

Technical data in conformity with DIN 32645

Detection limit	0.07 mg/l
Quantitation limit	0.21 mg/l

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

Relative analytical precision

Result	Confidence intervall (95%)
4.0 mg/l	± 0.44 mg/l
8.0 mg/l	± 0.42 mg/l
12.0 mg/l	± 0.41 mg/l
16.0 mg/l	± 0.43 mg/l
20.0 mg/l	± 0.46 mg/l

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