Quality certificate
Technical data for Validation
of LCK521 (0.01-1.0 mg/l
Iron Trace)

Quality certificate

Technical data for cuvette test LCK521

Sensitivity	0.938 Abs./(mg/l)
Ordinate intersect	0.039 Abs.
Residual standard deviation	0.0021 Abs.
Method variation coefficient	0.41 %
Method standard deviation	0.002 mg/l
Confidence intervall (95%)	$\pm$ 0.0060 mg/l

The technical data for cuvette test LCK521 were determined in conformity with ISO 8466-1 and DIN 38402 A51 „Calibration of analysis methods".
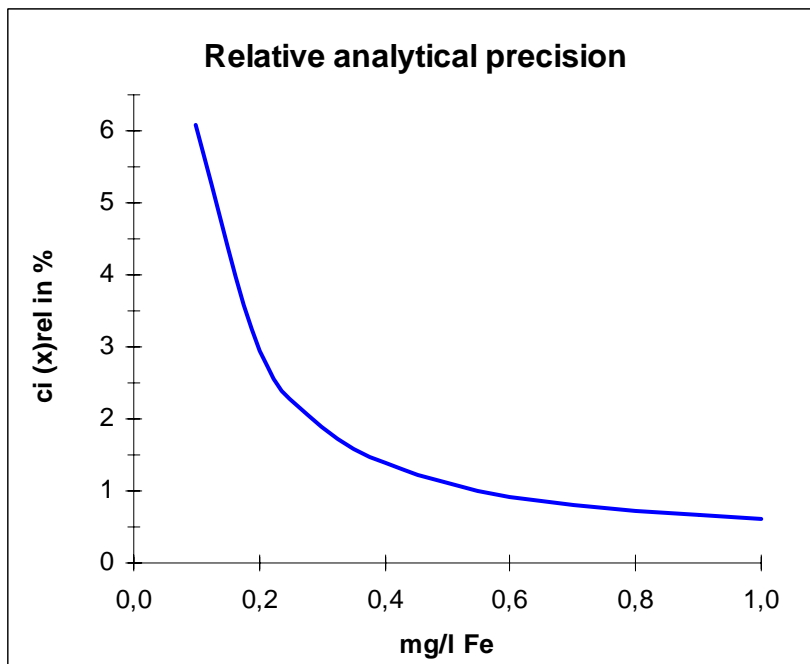
The series of the smallest and largest calibration standards exhibit normal distribution and are outlier- and trend-free.
The calibration gives a linear function.

Technical data in conformity with DIN 32645

Detection limit	0.006 mg/l
Quantitation limit	0.019 mg/l

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

Relative analytical precision

Result	Confidence intervall (95%)
0.20 mg/l	$\pm$ 0.006 mg/l
0.40 mg/l	$\pm$ 0.006 mg/l
0.60 mg/l	$\pm$ 0.006 mg/l
0.80 mg/l	$\pm$ 0.006 mg/l
1.00 mg/l	$\pm$ 0.006 mg/l

HACH LANGE GmbH
Quality Management

Dr. Ralf Kloos

UNITED FOR WATER QUALITY