

Quality certificate  
 Technical data for Validation  
 of LCK307 (0.05 -2.50 mg/l  
 Boron)

Quality certificate

Technical data for test LCK307

|                              |                   |
|------------------------------|-------------------|
| Sensitivity                  | 0.643 Abs./(mg/l) |
| Ordinate intersect           | 0.305 Abs.        |
| Residual standard deviation  | 0.005 Abs.        |
| Method variation coefficient | 0.58 %            |
| Method standard deviation    | 0.008 mg/l        |
| Confidence interval (95%)    | ± 0.019 mg/l      |

The technical data for test LCK307 were determined in conformity with ISO 8466-1 and DIN 38402 A51 „Calibration of analysis methods“.

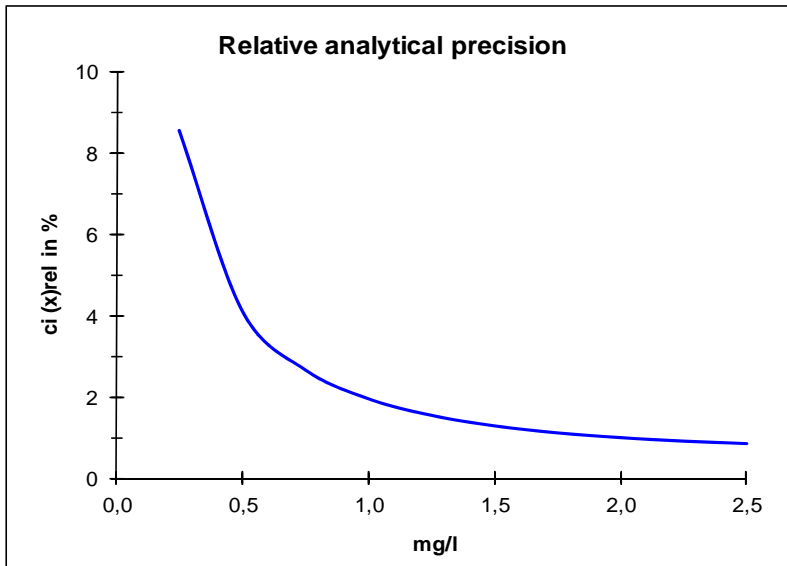
The series of the smallest and largest calibration standards exhibit normal distribution and are outlier- and trend-free.

The calibration gives a linear function.

Technical data in conformity with DIN 32645

|                    |            |
|--------------------|------------|
| Detection limit    | 0.021 mg/l |
| Quantitation limit | 0.064 mg/l |

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



| Result    | Confidence interval (95%) |
|-----------|---------------------------|
| 0.50 mg/l | ± 0.020 mg/l              |
| 1.00 mg/l | ± 0.019 mg/l              |
| 1.50 mg/l | ± 0.019 mg/l              |
| 2.00 mg/l | ± 0.020 mg/l              |
| 2.50 mg/l | ± 0.021 mg/l              |

**HACH LANGE GmbH**  
**Quality Management**

**Dr. Ralf Kloos**