

Quality certificate
 Technical data for Validation of
 LCK394; Permanganate Index
 (0.5 - 10.0 mg/L O₂)

Quality certificate
 Rev. 07-Dec-2017

Technical data for cuvette test LCK394

Sensitivity	0.0447 Abs./mg/L
Ordinate intercept	0.006 Abs.
Residual standard deviation	0.0085 Abs.
Method variation coefficient	3.46 %
Method standard deviation	0.190 mg/L
Confidence interval (95%)	0.359 mg/L
Correlation coefficient (r ²)	0.9963

The technical data for cuvette test LCK394 were determined in conformity with ISO 8466-2 and DIN 38402 A51 „Calibration of analysis methods“.

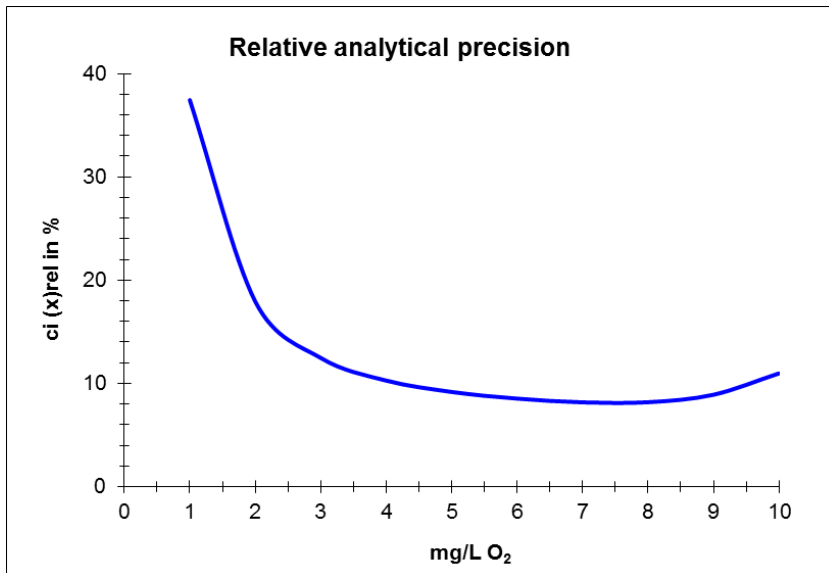
The series of the smallest and largest calibration standards exhibit normal distribution and are outlier- and trend-free.

The calibration gives a non-linear function.

Technical data in conformity with DIN 32645

Detection limit	0.44 mg/L
Quantitation limit	1.32 mg/L

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



Result	Confidence interval (95%)
2 mg/L	± 0.36 mg/L
4 mg/L	± 0.41 mg/L
6 mg/L	± 0.51 mg/L
8 mg/L	± 0.65 mg/L
10 mg/L	± 1.10 mg/L

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