

Quality certificate
Technical data for Validation
of LCW532 (0.005-0.5 mg/L
Manganese)

Quality certificate

Technical data for test LCW532

Sensitivity	2.86 Abs./(mg/L)
Ordinate intersect	0.049 Abs.
Residual standard deviation	0.0053 Abs.
Method variation coefficient	0.68 %
Method standard deviation	0.002 mg/L
Confidence interval (95%)	± 0.0045 mg/L

The technical data for test LCW532 were determined in conformity with ISO 8466-1 and DIN 38402 A51 „Calibration of analysis methods“.

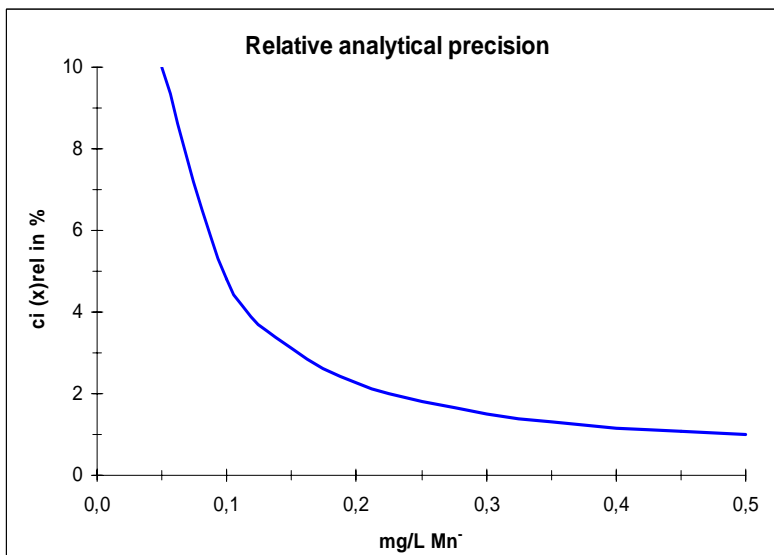
The series of the smallest and largest calibration standards exhibit normal distribution and are outlier- and trend-free.

The calibration gives a linear function.

Technical data in conformity with DIN 32645

Detection limit	0.0017 mg/L
Quantitation limit	0.0050 mg/L

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



Result	Confidence interval (95%)
0.1 mg/L	± 0.0048 mg/L
0.2 mg/L	± 0.0046 mg/L
0.3 mg/L	± 0.0045 mg/L
0.4 mg/L	± 0.0047 mg/L
0.5 mg/L	± 0.0050 mg/L

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Quality Management

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