

Quality Certificate
Technical Data for Validation of
Dissolved Iron Chemkey® Reagents

Quality Certificate

Technical Data for Dissolved Iron Chemkeys:

Part Number	8636000
Sensitivity	0.204 Abs / mg/L
Ordinate intersect	0.002 mg/L
Relative Standard Deviation	< 8% at 1.50 mg/L
Accuracy	< ± 8% at 1.50 mg/L
Correlation Coefficient (r ²)	> 0.999

The detection and the quantitation limits were determined in conformity with USEPA method 40 CFR Appendix B to Part 136, Revision 1.11.

Range (mg/L as Fe)	0.05 – 3.00
Detection limit	< 0.05 mg/L

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

The calibration gives a linear function.

Results are certified for eighteen months after manufacture date when stored at 25°C or below.

Result	Precision Confidence Interval (95%)
0.25 mg/L	± 0.04 mg/L
1.50 mg/L	± 0.06 mg/L



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