

# Quality Certificate

## Technical Data for Validation of Free Chlorine Chemkey® Reagents

### Quality Certificate

Technical Data for Free Chlorine Chemkeys:

Part Number	9429000
Sensitivity	0.290 Abs / mg/L
Ordinate Intersect	-0.003 mg/L
Relative Standard Deviation (RSD)	< 8% at 2.00 mg/L
Accuracy	± 8% at 2.00 mg/L
Correlation Coefficient (r <sup>2</sup> )	>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 Cl <sub>2</sub> )	0.04 – 4.00
Detection limit	< 0.04 mg/L
Quantitation limit	< 0.12 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.

Technical data in conformity with USEPA method 40 CFR Part 141 (CFR/vol. 79, No. 18/June 19, 2014/pg 35081).

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

Result	Precision Confidence Interval (95%)
2.06 mg/L	± 0.09 mg/L
3.98 mg/L	± 0.17 mg/L



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