

Quality Certificate

Technical Data for Validation of Total Chlorine Chemkey® Reagents

Quality Certificate

Technical Data for Total Chlorine Chemkeys:

Part Number	9429100
Sensitivity	0.281 Abs / mg/L
Ordinate Intersect	-0.004 mg/L
Relative Standard Deviation (RSD)	< 8% at 2.00 mg/L
Accuracy	< ± 8% at 2.00 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 Cl ₂)	0.04 – 10.00
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%)
2.10 mg/L	± 0.08 mg/L
8.15 mg/L	± 0.24 mg/L



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