

Quality Certificate  
Technical Data for Validation of Low  
Range Alkalinity Chemkey®  
Reagents

Quality Certificate

Technical Data for Low Range Alkalinity Chemkeys:

Part Number	8636200
Sensitivity	0.004 Abs / mg/L
Ordinate intersect	-95.8 mg/L
Standard Deviation	< 5 mg/L at 100 mg/L
Accuracy	< ± 10% at 100 mg/L
Correlation Coefficient (r <sup>2</sup> )	>0.99

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 CaCO <sub>3</sub> )	20 - 200
Detection limit	< 10 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 nine months after manufacture date when stored at 25°C or below.

Result	Precision Confidence Interval (95%)
100 mg/L	± 8 mg/L
200 mg/L	± 9 mg/L



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