

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

Quality Certificate

Technical Data for High Range Alkalinity Chemkeys:

Part Number	8636100
Sensitivity	0.001 Abs / mg/L
Ordinate Intersect	-340.9 mg/L
Relative Standard Deviation	< 10% at 450 mg/L
Accuracy	< ± 8% at 450 mg/L
Correlation Coefficient (r <sup>2</sup> )	> 0.990

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> )	200 - 700
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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%)
450 mg/L	± 27 mg/L
700 mg/L	± 31 mg/L



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