

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

Quality Certificate

Technical Data for Low Range Phosphate Chemkeys:

Part Number	8636600
Sensitivity	0.119 Abs / mg/L
Ordinate intersect	0.006 mg/L
Relative Standard Deviation	< 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 PO <sub>4</sub> )	0.20 – 4.00
Detection limit	< 0.20 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%)
2.00 mg/L	± 0.12 mg/L
4.00 mg/L	± 0.14 mg/L



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