

# Quality Certificate

## Technical Data for Validation of High Range Phosphate Chemkey® Reagents

### Quality Certificate

Technical Data for High Range Phosphate Chemkeys:

Part Number	8636500
Sensitivity	0.105 Abs / mg/L
Ordinate intersect	-0.81 mg/L
Relative Standard Deviation	< 8% at 15.0 mg/L
Accuracy	< ± 8% at 15.0 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 PO <sub>4</sub> )	2.0 – 30.0
Detection limit	< 0.5 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%)
15.0 mg/L	± 0.8 mg/L
30.0 mg/L	± 1.4 mg/L



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