

Quality Certificate

Technical Data for Validation of Nitrite Chemkey® Reagents

Quality Certificate

Technical Data for Nitrite Chemkeys:

Part Number	9429300
Sensitivity	2.205 Abs / mg/L
Ordinate intersect	-0.002 mg/L
Relative Standard Deviation	< 8% at 0.300 mg/L
Accuracy	< ± 8% at 0.300 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 NO ₂ -N)	0.005 – 0.600
Detection limit	< 0.005 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 six months after manufacture date when stored at 25°C or below.

Result	Precision Confidence Interval (95%)
0.305 mg/l	± 0.011 mg/L
0.596 mg/l	± 0.016 mg/L



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