

Quality Certificate

Technical Data for Validation of Free and Total Ammonia Chemkey® Reagents

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Technical Data for Free and Total Ammonia Chemkeys:

Part Number	9429600
Sensitivity	0.874 Abs / mg/L
Ordinate intersect	0.004 mg/L
Standard Deviation	< 0.04 mg/L at 0.30 mg/L
Accuracy	< ± 8% at 0.30 mg/L
Correlation Coefficient (r ²)	> 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 NH ₃ -N) ¹	0.05 – 1.50
Detection limit	< 0.05 mg/L

¹ With maximum 0.50 mg/L free ammonia

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%)
0.50 mg/L	± 0.03 mg/L
0.90 mg/L	± 0.03 mg/L



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