

Quality Certificate

Technical Data for Validation of Copper Chemkey® Reagents

Quality Certificate

Technical Data for Copper Chemkeys:

Part Number	9429200
Sensitivity	0.079 Abs / mg/L
Ordinate Intersect	0.001 mg/L
Relative Standard Deviation	< 8% at 2.50 mg/L
Accuracy	< ± 8% at 2.50 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 Cu)	0.06 – 5.00
Detection limit	< 0.05 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 twenty-four months after manufacture date when stored at 25°C or below.

Result	Precision Confidence Interval (95%)
2.50 mg/L	± 0.07 mg/L
5.00 mg/L	± 0.13 mg/L



Bennett Vandiver
Sr. Manager, Strategic Quality
Hach



Darren MacFarland, Ph.D.
Director, Chemistry R&D
Hach



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HACH
5600 Lindbergh Drive
Loveland, CO USA, 80538
800-227-4224
www.hach.com

HACH
Willstätterstr 11, 40549
Düsseldorf, Germany
(+49) (211) 52880
www.hach-lange.com