



Specification

1.09981.0001 Sulfuric acid for 1000 ml, $c(\text{H}_2\text{SO}_4) = 0.5 \text{ mol/l}$ (1 N) Titrisol®

Concentration after dilution to 1 liter: $c(\text{H}_2\text{SO}_4) = 0.5 \text{ mol/l}$

	Specification
Amount-of-substance concentration	0.5000 mol/l

The concentration of this solution was determined with volumetric standard Tris(hydroxymethyl)aminomethane (article number 1.02408). The determined titer at 20°C was 1.000 with an expanded measurement uncertainty of ± 0.004 ($k=2$ coverage factor for 95% coverage probability). The certified value is traceable to primary standard NIST SRM 723e (NIST: National Institute of Standards and Technology, USA) by means of volumetric standard Tris(hydroxymethyl)aminomethane, measured in the accredited calibration laboratory of Merck KGaA, Darmstadt, Germany in accordance to DIN EN ISO/IEC 17025.

Ayfer Yildirim

Responsible laboratory manager quality control

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