



# Specification

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1.09971.0001 Hydrochloric acid for 1000 ml,  $c(\text{HCl}) = 0.5 \text{ mol/l}$  (0.5 N) Titrisol®

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

	Specification
Amount-of-substance concentration	0.5000 mol/l

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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  $\pm 0.004$  ( $k=2$  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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