



Specification

1.09973.0001 Hydrochloric acid for 1000 ml, $c(\text{HCl}) = 0.1 \text{ mol/l}$ (0.1 N) Titrisol®

Specification	
Form	liquid
Amount-of-substance concentration	0.1000 mol/l
Traceability	NIST SRM

This product is a Titrisol® concentrate. It contains exactly the amount of substance to prepare one liter of solution. It can be used for the preparation of further concentrations.

The determined titer at 20 °C is 1.000 within a range of ± 0.004 .

The amount-of-substance concentration of this volumetric solution is traceable to a primary standard reference material (SRM) from the National Institute of Standards and Technology, Gaithersburg, USA ((NIST SRM 723 Tris(hydroxymethyl)aminomethane) by means of volumetric standard Tris(hydroxymethyl)aminomethane (article number 1.02408), certified reference material according to ISO 17034, analyzed by our accredited calibration laboratory of Merck KGaA, Darmstadt, Germany according to DIN EN ISO/IEC 17025.

Note: The titer is a correction factor to correct for variations of the volumetric solution, the titration equipment, the temperature and other laboratory conditions. For correct titration results it is recommended to determine a titer with the laboratory specific equipment and under laboratory specific conditions directly after preparing a solution and at regular time intervals.

Ayfer Yildirim

Responsible laboratory manager quality control

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