Specification

1.09965.0001 Oxalic acid solution for 1000 ml, $c(C_2H_2O_4)$ = 0.05 mol/l (0.1 N) Titrisol®

Concentration after dilution to 1 liter: $c(C_2H_2O_4)$ = 0.05 mol/l

	Specification
Amount-of-substance concentration	0.05000 mol/l

The concentration of this solution was determined with potassium permanganate solution (article number 1.09122) standardized against volumetric standard di-sodium oxalate (article number 1.02407). 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 8040 (NIST: National Institute of Standards and Technology, USA) by means of volumetric standard di-sodium oxalate 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

This document has been produced electronically and is valid without a signature.