



# Specification

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1.09909.0001 Sodium thiosulfate solution for 1000 ml,  $c(\text{Na}_2\text{S}_2\text{O}_3) = 0,01 \text{ mol/l}$  (0.01 N)  
Titrisol®

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Concentration after dilution to 1 liter:  $c(\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}) = 0.01 \text{ mol/l}$

	Specification
Amount-of-substance concentration	0.01000 mol/l

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Determination method: Iodometric titration.

The concentration of this solution was determined with volumetric standard potassium iodate (article number 1.02404). 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 136f (NIST: National Institute of Standards and Technology, USA) by means of volumetric standard potassium iodate measured in the accredited calibration laboratory of Merck KGaA, Darmstadt, Germany in accordance to DIN EN ISO/IEC 17025.

Ayfer Yildirim

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Responsible laboratory manager quality control

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