



Specification

1.19811.0500 Nitrate standard solution traceable to SRM from NIST NaNO_3 in H_2O 1000 mg/l NO_3^- Certipur®

Specification

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| Concentration | β (NO_3^-) | 990 - 1010 | mg/l |
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Determination method: Alkalimetric titration.

The content of this solution was determined with sodium hydroxid standard solution 0.1 mol/l. The sodium hydroxide standard solution 0.1 mol/l is adjusted by hydrochloric acid standard solution 0.1 mol/L. The hydrochloric acid standard solution is standardized and traceable to volumetric standard tris(hydroxymethyl)aminomethane (article number 1.02408). The expanded measurement uncertainty is $\pm 1\%$ ($k=2$ coverage factor for 95% coverage probability). The certified value is traceable to primary standard NIST SRM 723 (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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