# Specification

## 1.09968.0001 Barium standard 1000 mg Ba, ($BaCl_2$ in 7% HCl) Titrisol®

| | Specification |
|---|---|
| Assay (Ba) | 1000 mg / Ampoule |

Determination method: Complexometric titration.
The content of this solution was determined by back-titration with copper(II) nitrate (article number 1.02753) standardized by Titriplex(III) solution (article number 1.08431) against volumetric standard zinc (article number 1.02409). The expanded measurement uncertainty is ± 0.4 % (k=2 coverage factor for 95% coverage probability). The certified value is traceable to primary standard NIST SRM 682 (NIST: National Institute of Standards and Technology, USA) by means of volumetric standard zinc 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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