Specification

Certipur® Reference Material

Conductivitiy Water (nominal 0 mS/cm)

Test solution for Measurement of Electrolytic Conductivity

1.01810.0105 **Lot No.: example**

This certificate of analysis is based on the data from the accredited Merck Calibration Laboratory for pH value and electrolytic conductivity, according to DIN EN ISO / IEC 17025.

Type of reference material:	**Deionized water**
Specification:	**0.000 – 0.002 mS/cm (at 25.0°C)**
Measurement Uncertainty	**± 50%**
Traceability (PTB):	Measured against Primary Reference Material
Traceability (NIST):	SRM® (Standard Reference Material)

PTB : Physikalisch-Technische Bundesanstalt, Braunschweig, Germany
NIST : National Institute of Standards and Technology, Gaithersburg, USA

Date of release:

Minimum shelf life: 3 years

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(responsible laboratory manager quality control)

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Homogeneity:
Nine samples are selected for control measurement. The results from the measurements do not show statistically significant differences.

Measurement:
Electrolytic conductivity is measured with a 4-pole-measuring cell (WTW TetraCON 96), calibrated with Primary Reference Material from PTB, using a conductivity meter (WTW- LF 3000).

Application and correct use:
This test solution is intended for use in aqueoues electrolytic measurement as a control sample.
The electrolytic conductivity is strongly dependent on the temperature. It is therefore necessary to keep the temperature constant within the measurement cells (variation less than 0.1 K).