# Certificate of Analysis

| | |
|---|---|
| 1.09409.0000 | Buffer solution (boric acid/potassium chloride/sodium hydroxide), traceable to SRM from NIST and PTB pH 10.00 (25°C) CertiPUR® |
| Batch | HC802381 |

| | Spec. Values | Batch Values |
|---|---|---|
| pH-value (25 °C) | 9.98 - 10.02 | 10.02 |

*Measured with a combined glass electrode after 5-point calibration according to DIN 19268 (with an average measurem ent uncertainty +/-0.02) with reference buffer solutions prepared with primary reference materials (according to DIN 19266) at the accredited laboratory , DKD-K-14301.*

*Deviations of pH (ΔpH) at various temperatures:*

| | ΔpH |
|---|---|
| 5 °C | + 0.22 |
| 10 °C | + 0.16 |
| 15 °C | + 0.10 |
| 20 °C | + 0.05 |
| 25 °C | +/- 0 |
| 30 °C | - 0.06 |
| 35 °C | - 0.10 |
| 40 °C | - 0.14 |
| 45 °C | - 0.20 |
| 50 °C | - 0.27 |

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*Traceable to primary reference materials from:*
*NIST 189a, 188, 185g, 186 Ie, 186IIe, 187d*
*PTB OX-01, TA-01,PHT-01/00, PHOA-01/00PHOB-01/00,BO-01/00*
*NIST: National Institute of Standards and Technology*
*PTB: Physikalisch-Technische Bundesanstalt*

| | |
|---|---|
| *Test date (DD.MM.YYYY):* | *09.04.2008* |
| *Minimum shelf life (DD.MM.YYYY):* | *30.04.2013* |

Wolfgang Gernand

responsible laboratory manager quality control

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

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