



Specification

1.09406.0000 Buffer solution pH 4.01 (Potassium hydrogen phthalate), traceable to SRM from NIST and PTB pH 4.01 (25°C) Certipur®

	Spec. Values
pH-value (25 °C)	4.00 - 4.02

Measured with a combined glass electrode after 5-point calibration according to DIN 19268 (expanded measurement uncertainty ± 0.01) with ref. buffer solutions according to DIN 19266, prepared with primary reference materials, at the accredited laboratory according to DIN EN ISO/IEC 17025.

Deviations of pH (Δ pH) at various temperatures:

	Δ pH
5 °C	- 0.01
10 °C	- 0.01
15 °C	- 0.01
20 °C	- 0.01
25 °C	+/- 0
30 °C	+/- 0
35 °C	+ 0.02
40 °C	+ 0.02
45 °C	+ 0.04
50 °C	+ 0.05

*Traceable to primary reference materials from:
NIST 189c, 188, 185h, 186 Ig, 186Ilg, 187e
PTB OX-179/10, TA-212/11, PHT-232/12, PHO-243/12, BO-211/11
NIST: National Institute of Standards and Technology
PTB: Physikalisch-Technische Bundesanstalt*

Dr. Stefan Frey

responsible laboratory manager quality control

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