

# Specification



1.09435.1000 Buffer solution (citric acid/sodium hydroxide/hydrogen chloride), traceable to SRM from NIST and PTB pH 4.00 (20°C) Certipur®

	Spec. Values
pH-value (20 °C)	3.99 - 4.01

*Measured with a combined glass electrode after 5-point calibration according to DIN 19268 (expanded measurement uncertainty  $\pm 0.01$ ) 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 ( $\Delta$ pH) at various temperatures:*

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

*Traceable to primary reference materials from:  
NIST 189c, 188, 185h, 186 Ig, 186 IIg, 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*

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