

Certificate of analysis

Product: Buffer solution pH1,68
traceable to SRM of PTB and NIST

Cat. no.: 101680

Batch no.: 12644

Minimum shelf life: 36 months, until 09.08.2020

Deviation of pH at various temperature:

T °C	0	5	10	15	20	25	30	35	40	50	60	70	80	90
pH		1,67	1,67	1,67	1,68	1,68	1,69	1,69	1,70	1,71	1,72	1,74	1,77	1,79

Analysis:

Characteristic	Method	Target	Actual
Appearance	visual	clear	corresponds
pH value at 20° C	glass electrode	pH 1,68 ±0,01 *	pH 1,68 ±0,01 *
Buffer capacity	dn / dpH (1ml NaOH 1m in 100ml buffer)	0,07	0,07

* Measured with a combination glass electrode according to DIN 19268. The calibration is traceable to national and international standards, PTB and NIST validated by key comparisons. Reportet is the expanded uncertainty with K = 2.

Reference material batch no. M168S01/16

08.08.2017

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