

Buffer Quality Control Certificate

Nominal Specifications

pH Buffer Solution	NIST/DIN Buffer pH 6.865
Order number	51350054

Buffer Properties

Actual pH Value	6.867	(The expanded uncertainty (k = 2) of the measurement is 0,02 pH)
Lot No. Solution	1B061C	
Buffer Substances	Potassium dihydrogen phosphate, di-Sodium hydrogen phosphate	
Production Date	March 1, 2016	
Expiry Date	March 1, 2017	

Traceability

For the calibration of the pH value of our buffer solutions, the measuring instruments were calibrated using two different reference buffer solutions, based on primary pH reference materials of the NIST¹.

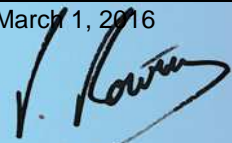
The National Metrology Institutes compare their measurement capabilities periodically in key comparisons within the CIPM-MRA².

The international comparability, harmonization and the equivalence of their measurement capabilities are therefore ensured.

This guarantees a flawless traceability of the certified pH buffer solution values to NIST along with our Quality Management System. The certification is done for each lot.

Procedure	Two point calibration	
NIST Standard solution value	6.864 +/- 0.005 (25°C)	7.41457 +/- 0.005 (25°C)
Standard Reference Material SRM NIST	Potassium Dihydrogen Phosphate	Disodium Hydrogen Phosphate
Lot No SRM NIST	186lg	186llg

- 1 National Institute of Standards and Technology, Gaithersburg, USA
- 2 Mutual Recognition Arrangement of National Measurement Standards and of Calibration Certificates issued by National Metrology Institutes

Date of Certificate Issue	March 1, 2016
Quality Control	 Peter Rowing