

**Buffer solution pH = 3,00 (20 °C) (ortho-Phosphoric acid/Potassium dihydrogen phosphate)**
**Identification**

Taric code: 3822 00 00

**Applications**

This reference material is intended for the calibration of pH meters and electrodes used for pH measurement or as a control sample for measuring the pH value.

**Specifications**

pH at 20 °C.....	3,00	5.....	2,96
specification range.....	2,99 - 3,01	10.....	2,97
uncertainty .....	± 0,01	15.....	2,98
Composition per litre is 1,2 g of ortho-Phosphoric acid concentrated and 11,2 g of Potassium dihydrogen phosphate.			
		20.....	3,00
		25.....	3,01
		30.....	3,01
		35.....	3,01
		40.....	3,01
		45.....	3,01
		50.....	3,01
Standard buffer solutions are prepared using gravimetric and volumetric procedures.			
The batch value is determined by measurement with a combination glass electrode against five-point calibration according to DIN 19268.			
This pH buffer solution is traceable to Standard Reference Material from NIST.			
T (°C)pH			
0.....	2,96		

**Physical data**

- Density: ~ 1,00 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- pH(20 °C) 3

**Transport/storage**

- 10°C - 30°C