

Buffer solution pH = 7,02 (Potassium dihydrogen phosphate/di-Sodium hydrogen 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.....	7,02	0.....	7,12
specification range.....	7,01 - 7,03	5.....	7,09
uncertainty	± 0,01	10.....	7,06
Composition per litre is 3,5 g Potassium dihydrogen phosphate and 12,5 g di-Sodium hydrogen phosphate.		15.....	7,04
Contains preservative.		20.....	7,02
		25.....	7,00
		30.....	6,99
		35.....	6,98
		40.....	6,97
		45.....	6,96
		50.....	6,96

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

Physical data

- Density: 1,00 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -5 °C
- Boiling point: 109 °C
- pH(H₂O, 20 °C) 7,02

Transport/storage

- 10°C - 30°C