

Buffer solution pH = 4,01 (20 °C) (Potassium hydrogen phthalate)**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..... 4,01
specification range..... 4,00 - 4,02
uncertainty ± 0,01
Composition per litre is 10,3 g Potassium hydrogen phthalate.
Contains preservative.

0.....	4,00
5.....	4,00
10.....	4,00
15.....	4,00
20.....	4,01
25.....	4,01
30.....	4,02
35.....	4,02
40.....	4,03
45.....	4,05
50.....	4,05

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
- pH(20 °C) 4,01

Transport/storage

- 10°C - 30°C