

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..... 4,00
specification range..... 3,99 - 4,01
uncertainty ± 0,01
Composition per litre is 10,2 g Potassium hydrogen phthalate.
Contains preservative.

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.....	4,01
5.....	4,00
10.....	4,00
15.....	4,00
20.....	4,00
25.....	4,01
30.....	4,02
35.....	4,03
40.....	4,04
45.....	4,05
50.....	4,06

Physical data

- Density: ~ 1,00 g/cm³
- Solub. in water: (20 °C): miscible

Transport/storage

- 15°C - 25°C