

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..... 1,00

uncertainty \pm 0,01

Composition per litre is 0,2 g Glycine, 0,1 g Sodium chloride and about 13,1 g Hydrochloric acid concentrated.

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..... 0,96

5..... 0,99

10..... 0,99

15..... 0,99

20..... 1,00

25..... 1,01

30..... 1,01

35..... 1,01

40..... 1,01

45..... 1,01

50..... 1,01

Physical data

- Density: \sim 1,00 g/cm³
- Solub. in water: (20 °C): miscible
- pH(20 °C) 1,0

Transport/storage

- 10°C - 30°C