

**Buffer solution pH = 13,00 (20 °C) (Potassium chloride/Sodium hydroxide)****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..... 13,00 ± 0,02
uncertainty ± 0,01
Composition per litre is 3,7 g Potassium chloride and 4,3 g Sodium hydroxide.

Standard buffer solutions are prepared using gravimetric and volumetric procedures.

The batch value is determined by measurement with a combination glass electrode against two-point calibration according to DIN 19268.

This pH buffer solution is traceable to Standard Reference Material from NIST.

T (°C)pH

0..... 13,80

5.....	13,59
10.....	13,37
15.....	13,18
20.....	13,00
25.....	12,83
30.....	12,67
35.....	12,59
40.....	12,41
45.....	12,28
50.....	12,15

Physical data

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

Transport/storage

- 10°C - 30°C