

Buffer solution pH = 2,00 (20 °C) (Citric acid/Sodium hydroxide/Hydrochloric acid)**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.....	2,00	5.....	2,01
specification range.....	1,99 - 2,01	10.....	2,01
uncertainty	± 0,01	15.....	2,00
Composition per litre is 6,4 g Citric acid, 2,4 g Sodium hydroxide and 7,3 g Hydrochloric acid 37%.			
		20.....	2,00
		25.....	2,00
		30.....	2,00
		35.....	2,00
		40.....	2,00
		45.....	2,00
		50.....	2,00
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.....	2,01		

Physical data

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

Transport/storage

- 10°C - 30°C