

Buffer solution pH = 7,00 (20 °C) (Potassium dihydrogen phosphate/di-Sodium hydrogen phosphate)**Identification**

Taric code: 3822 00 00

Applications

to fit pH of the reaction media, for calibrating pH-meters, analytical chemistry.

Specifications

pH at 20 °C.....	7,00	T (°C)	pH
uncertainty ± 0,01		0.....	7,13
Composition per litre is 3,54g Potassium dihydrogen phosphate and 14,7g di-Sodium hydrogen phosphate.		5.....	7,07
Contains preservative.		10.....	7,05
		15.....	7,02
		20.....	7,00
		25.....	6,98
		30.....	6,98
		35.....	6,96
		40.....	6,95
		45.....	6,95
		50.....	6,95

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.

Physical data

- Density: 1,01 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -5 °C
- Boiling point: 109 °C
- pH(20 °C) 7,00

Toxicological data

- WGK: 0
- Poison class CH (Swiss): F