

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
X  
Y  
Z

**SO1006 Buffer solution pH = 6,00 (20 °C) (Potassium dihydrogen phosphate/Sodium hydroxide)**

- Density: ~ 1,00 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Tariff number: 3822 00 00 00
- Applications: in buffer solutions.

pH at 20 °C ..... 6,00  
uncertainty ± 0,01  
Composition per litre is 6,8 g Potassium dihydrogen phosphate and 5,7 ml. Potassium hydroxide 1 N. 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	6,06
5	6,04
10	6,02
15	6,01
20	6,00
25	5,99
30	5,99
35	5,98
40	5,98
45	5,96
50	5,95

ART. NO.	VOLUME	CONTAINER
SO10060250	250 ml	Ⓟ
SO10061000	1 l	Ⓟ

**SO1007 Buffer solution pH = 7,00 (20 °C) (Potassium dihydrogen phosphate/di-Sodium hydrogen phosphate)**

- Density: 1,01 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -5 °C
- Boiling point: 109 °C
- Tariff number: 3822 00 00 00
- Applications: to fit pH of the reaction media, for calibrating pH-meters, analytical chemistry.

pH at 20 °C ..... 7,00  
uncertainty ± 0,01  
Composition per litre is 3,54 g Potassium dihydrogen phosphate and 14,7 g di-Sodium hydrogen phosphate. 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	7,13
5	7,07
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

ART. NO.	VOLUME	CONTAINER
SO10070250	250 ml	Ⓟ
SO10070500	500 ml	Ⓟ
SO10071000	1 l	Ⓟ
SO1007005P	5 l	Ⓟ
SO1007010C	10 l	Ⓟ
SO1007025P	25 l	Ⓟ

**SO1008 Buffer solution pH = 7,02 (20 °C)(Potassium dihydrogen phosphate/di-Sodium hydrogen phosphate)**

- Density: 1,00 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -5 °C
- Boiling point: 109 °C
- Tariff number: 3822 00 00 00
- Applications: in buffer solutions.

pH at 20 °C ..... 7,02  
uncertainty ± 0,01  
Composition per litre is 3,54 g Potassium dihydrogen phosphate and 14,7 g di-Sodium hydrogen phosphate. 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	7,12
5	7,09
10	7,06
15	7,04
20	7,02
25	7,00
30	6,99
35	6,98
40	6,97
45	6,96
50	6,96

ART. NO.	VOLUME	CONTAINER
SO10080250	250 ml	Ⓟ
SO10081000	1 l	Ⓟ
SO1008005P	5 l	Ⓟ

**SO1028 Buffer solution pH = 8,00 (20 °C) (Boric acid/Potassium chloride/Sodium hydroxide)**

- Density: 1,00 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Tariff number: 3822 00 00 00

pH at 20 °C ..... 8,00  
uncertainty ± 0,01  
Composition per litre is 3,095 g Boric acid, 3,728 g Potassium chloride and approx. 40 ml NaOH 0,1N 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	8,15
5	8,10
10	8,07
15	8,04
20	8,00
25	7,96
30	7,94
35	7,92
40	7,90
45	7,87
50	7,85

ART. NO.	VOLUME	CONTAINER
SO10280250	250 ml	Ⓟ
SO10281000	1 l	Ⓟ