



Be Right™



## pH Buffers

Hach calibration pH buffers are available in a variety of color-coded or colourless solutions, in different packaging types and sizes from 15 mL up to 20 L. pH buffers are also available in convenient single-use pouches (Singlet) and unit-dose powder pillows for on-site and field analyses ensuring freshness, eliminating the possibility of contamination. All Hach pH buffers are NIST traceable for optimum pH electrode calibration with an accuracy of  $\pm 0.02$  pH at 25°C. For all Hach buffers, a specific Certificate of Analysis is available for download from [www.hach.com](http://www.hach.com): Support/Service, Certificate of Analysis menu, using product part number and lot number.

For critical applications and metrology needs, Hach offers pH Buffer IUPAC Standard Solutions with Certificate of Conformity and Traceability from our Accredited Laboratory ([www.hach.com/coa](http://www.hach.com/coa)). The certificate is reporting the exact pH buffer value with related expanded uncertainty ( $k=2$ ). pH Buffers solutions are traceable to IUPAC/NIST pH scale. They are offering a unique extended shelf-life period thanks to a premium aluminium packaging.

Part Number	pH Value(s)	Color coded?	Package Type	Quantity	Shelf Life	USD Price
2283549	7.00 $\pm 0.02$ pH at 25°C	Yes	Bottle	500 mL	24 months	Contact Hach
2283649	10.01 $\pm 0.02$ pH at 25°C	Yes	Bottle	500 mL	12 months	Contact Hach
2283449	4.01 $\pm 0.02$ pH at 25°C	Yes	Bottle	500 mL	48 months	Contact Hach
2947600	4.01, 7.00 & 10.01 $\pm 0.02$ pH at 25°C	Yes	Bottle	500 mL	(see individually)	Contact Hach
2770120	7.00 $\pm 0.02$ pH at 25°C	Yes	Singlet	20 pcs	24 months from production date	Contact Hach
2283556	7.00 $\pm 0.02$ pH at 25°C	Yes	Bottle	4 L	24 months	Contact Hach
2770220	10.01 $\pm 0.02$ pH at 25°C	Yes	Singlet	20 pcs	24 months from production date	Contact Hach
2770020	4.01 $\pm 0.02$ pH at 25°C	Yes	Singlet	20 pcs	48 months from production date	Contact Hach
2283656	10.01 $\pm 0.02$ pH at 25°C	Yes	Bottle	4 L	12 months	Contact Hach
2507200	4.01, 7.00 & 10.01 $\pm 0.02$ pH at 25°C	Yes	Bottle	4 L	(see individually)	Contact Hach
2769920	4.01 & 7.00 $\pm 0.02$ pH at 25°C	Yes	Singlet	20 pcs	24 months from production date	Contact Hach
2283456	4.01 $\pm 0.02$ pH at 25°C	Yes	Bottle	4 L	48 months	Contact Hach
S11M002	4.005 $\pm 0.010$ pH at 25°C	No	Bottle	500 mL	24 months	Contact Hach

Part Number	pH Value(s)	Color coded?	Package Type	Quantity	Shelf Life	USD Price
S11M004	7.000 ±0.010 pH at 25°C	No	Bottle	500 mL	24 months	Contact Hach
1222249	7.00 ±0.02 pH at 25°C	No	Bottle	500 mL	24 months	Contact Hach
S11M007	10.012 ±0.010 pH at 25°C	No	Bottle	500 mL	24 months	Contact Hach
2227066	7.00 ±0.02 pH at 25°C	Yes	Powder Pillows	50 pcs	24 months	Contact Hach
S11M001	1.679 ±0.010 pH at 25°C	No	Bottle	500 mL	24 months	Contact Hach
1222349	4.01 ±0.02 pH at 25°C	No	Bottle	500 mL	48 months	Contact Hach
2227166	10.01 ±0.02 pH at 25°C	Yes	Powder Pillows	50 pcs	24 months	Contact Hach
2226966	4.01 ±0.02 pH at 25°C	Yes	Powder Pillows	50 pcs	24 months	Contact Hach
1222149	10.01 ±0.02 pH at 25°C	No	Bottle	500 mL	12 months	Contact Hach
2769820	7.00 & 10.01 ±0.02 pH at 25°C	Yes	Singlet	20 pcs	24 months from production date	Contact Hach
S11M003	6.865 ±0.010 pH at 25°C	No	Bottle	500 mL	24 months	Contact Hach
2283561	7.00 ±0.02 pH at 25°C	Yes	Bag-in-box (BiB)	20 L	24 months	Contact Hach
2227095	7.00 ±0.02 pH at 25°C	Yes	Powder Pillows	15 pcs	24 months from production date	Contact Hach
2283661	10.01 ±0.02 pH at 25°C	Yes	Bag-in-box (BiB)	20 L	12 months	Contact Hach
2507300	4.01, 7.00 & 10.01 ±0.02 pH at 25°C	Yes	Bag-in-box (BiB)	20 L	(see individually)	Contact Hach
S11M005	7.413 ±0.010 pH at 25°C	No	Bottle	500 mL	24 months	Contact Hach
2283461	4.01 ±0.02 pH at 25°C	Yes	Bag-in-box (BiB)	20 L	48 months	Contact Hach
2226995	4.01 ±0.02 pH at 25°C	Yes	Powder Pillows	15 pcs	24 months from production date	Contact Hach
1222356	4.01 ±0.02 pH at 25°C	No	Bottle	4 L	48 months	Contact Hach
S11M008	12.45 ±0.05 pH at 25°C	No	Bottle	500 mL	24 months	Contact Hach
2227195	10.01 ±0.02 pH at 25°C	Yes	Powder Pillows	15 pcs	24 months from production date	Contact Hach
2227064	7.00 ±0.02 pH at 25°C	Yes	Powder Pillows	250 pcs	24 months	Contact Hach
LZW9470.99	10.01 ±0.02 pH at 25°C	No	Bottle	125 mL	12 months	Contact Hach

Part Number	pH Value(s)	Color coded?	Package Type	Quantity	Shelf Life	USD Price
LZW9471.99	10.01 ±0.02 pH at 25°C	No	Bottle	250 mL	12 months	Contact Hach
LZW9463.99	4.01 ±0.02 pH at 25°C	No	Bottle	250 mL, with certification	48 months	Contact Hach
1222256	7.00 ±0.02 pH at 25°C	No	Bottle	4 L	24 months	Contact Hach
2227164	10.01 ±0.02 pH at 25°C	Yes	Powder Pillows	250 pcs	24 months	Contact Hach
LZW9460.99	4.01 ±0.02 pH at 25°C	No	Bottle	125 mL	48 months	Contact Hach
2226964	4.01 ±0.02 pH at 25°C	Yes	Powder Pillows	250 pcs	24 months	Contact Hach
LZW9466.99	4.01 ±0.02 pH at 25°C	No	Bottle	1 L (4 x 250 mL)	48 months	Contact Hach
2283536	7.00 ±0.02 pH at 25°C	Yes	Bottle	15 mL	24 months	Contact Hach
2283626	10.01 ±0.02 pH at 25°C	Yes	Bottle	50 mL	12 months	Contact Hach
2283636	10.01 ±0.02 pH at 25°C	Yes	Bottle	15 mL	12 months	Contact Hach
S11M006-US	9.180 ±0.010 pH at 25°C	No	Bottle	500 mL	24 months	Contact Hach
LZW9461.97	7.00 ±0.02 pH at 25°C	No	Bottle	125 mL	24 months	Contact Hach
1407995	8.00 ±0.02 pH at 25°C	No	Powder Pillows	15 pcs	24 months	Contact Hach
1222220	7.00 ±0.02 pH at 25°C	No	Bottle	25 mL	24 months	Contact Hach
2283526	7.00 ±0.02 pH at 25°C	Yes	Bottle	50 mL	24 months	Contact Hach
2283436	4.01 ±0.02 pH at 25°C	Yes	Bottle	15 mL	24 months	Contact Hach
2283426	4.01 ±0.02 pH at 25°C	Yes	Bottle	50 mL	48 months	Contact Hach
LZW9467.97	7.00 ±0.02 pH at 25°C	No	Bottle	1 L	24 months	Contact Hach
LZW9472.99	10.01 ±0.02 pH at 25°C	No	Bottle	1 L (4 x 250 mL)	12 months	Contact Hach
2299264	4.01 & 7.00 ±0.02 pH at 25°C	Yes	Powder Pillows	30 pcs	24 months	Contact Hach
LZW9464.97	7.00 ±0.02 pH at 25°C	No	Bottle	250 mL, with certification	24 months	Contact Hach
1405566	6.00 ±0.02 pH at 25°C	No	Powder Pillows	50 pcs	24 months	Contact Hach
S11M009	1.09 ±0.02 pH at 25°C	No	Bottle	500 mL	18 months	Contact Hach

Part Number	pH Value(s)	Color coded?	Package Type	Quantity	Shelf Life	USD Price
1410766	9.00 ±0.02 pH at 25°C	No	Powder Pillows	50 pcs	24 months	Contact Hach
1409895	6.86 ±0.02 pH at 25°C	No	Powder Pillows	15 pcs	24 months	Contact Hach
S11M010	4.65 ±0.02 pH at 25°C	No	Bottle	500 mL	18 months	Contact Hach
1222156	10.01 ±0.02 pH at 25°C	No	Bottle	4 L	12 months	Contact Hach
S11M011	9.23 ±0.02 pH at 25°C	No	Bottle	500 mL	18 months	Contact Hach