

pH Standard Calibration Solutions



1.68 Buffer Solution

Plating bath samples, food samples and waste samples are often acidic in nature. To increase accuracy of your measurement at lower pH, it is important to calibrate your electrode and meter at that pH also. HANNA pH 1.68 buffer is available to fulfill this requirement. pH 1.68 buffer solution allows you to calibrate your measurement system in the acid pH range and bracket your acidic samples by using a second value at 4.01 pH or near 7.01 pH.

Our millesimal series offers ± 0.002 certified accuracy and our HI 5016 technical grade solution offers ± 0.01 pH certified accuracy. Standard NIST traceable (no certification included) 1.68 pH buffer with ± 0.01 pH accuracy is available in two sizes.

BOTTLES					
CODE	pH VALUE @25°C	SIZE	PACKAGE	FDA BOTTLE	CERTIFICATE OF ANALYSIS
HI 7001L	1.68	500 mL	bottle		on request
HI 7001M	1.68	230 mL	bottle		on request

BOTTLES					
CODE	pH VALUE @25°C	SIZE	PACKAGE	FDA BOTTLE	CERTIFICATE OF ANALYSIS
HI 7004/1G	4.01	1 gallon (3.78 L)	bottle		on request
HI 7004/1L	4.01	1 L	bottle		on request
HI 7004L	4.01	500 mL	bottle		on request
HI 7004L/C	4.01	500 mL	bottle		•
HI 7004M	4.01	230 mL	bottle		on request
HI 8004/1L	4.01	1 L	bottle	•	•
HI 8004L	4.01	500 mL	bottle	•	•
HI 8004L/C	4.01	500 mL	bottle	•	•

SACHETS					
CODE	pH VALUE @25°C	SIZE	PACKAGE	FDA BOTTLE	CERTIFICATE OF ANALYSIS
HI 70004C	4.01	20 mL	sachets (25)		•
HI 70004P	4.01	20 mL	sachets (25)		
HI 7004P/5	4.01	20 mL	sachets (500)		
HI 77400C	4.01 & 7.01	20 mL	sachets (10, 5 ea)		•
HI 77400P	4.01 & 7.01	20 mL	sachets (10, 5 ea)		

Traceability with NIST Standard Reference

HANNA pH 4.01 buffers are carefully prepared using the highest quality ingredients available and are standardized with NIST references.

4.01 Buffer Solution

HANNA buffer solutions are prepared according to precise formulas and are standardized with a pH electrode and meter calibrated with NIST standards. This buffer value is widely used in water purification plants, in the food industry and where ever the pH is expected to be slightly acidic.

All pH 4.01 solutions show batch number, expiration date and the correlation table between pH and temperature.

