

# pH Standard Calibration Solutions

## 6.86 Buffer Solution

Many of our portable and benchtop instruments, may now be calibrated with both pH 6.86 or pH 7.01 buffers.

The HANNA range of pH 6.86 buffer solutions has been expanded and stability has been improved to match the stability of pH 7.01.



BOTTLES					
CODE	pH VALUE @25°C	SIZE	PACKAGE	FDA BOTTLE	CERTIFICATE OF ANALYSIS
HI 7006/1G	6.86	1 gallon (3.78 L)	bottle		on request
HI 7006/1L	6.86	1 L	bottle		on request
HI 7006L	6.86	500 mL	bottle		on request
HI 7006L/C	6.86	500 mL	bottle		•
HI 7006M	6.86	230 mL	bottle		on request
HI 8006/1L	6.86	1 L	bottle	•	•
HI 8006L	6.86	500 mL	bottle	•	•
HI 8006L/C	6.86	500 mL	bottle	•	•

SACHETS				
CODE	pH VALUE @25°C	SIZE	PACKAGE	CERTIFICATE OF ANALYSIS
HI 70006C	6.86	20 mL	sachets (25)	•
HI 70006P	6.86	20 mL	sachets (25)	

### Traceability with Reference to NIST Standards

The buffer solution at pH 6.86 is standardized with a pH electrode and meter calibrated with NIST buffer solutions. The buffer is certified against to NIST standards.

## 7.01 Buffer Solution

pH 7.01 is the most widely used among all buffer solutions. For this reason we have prepared it in a wider variety of sizes to meet application demand.

HANNA pH buffer solutions are standardized against NIST reference solutions.



BOTTLES					
CODE	pH VALUE @25°C	SIZE	PACKAGE	FDA BOTTLE	CERTIFICATE OF ANALYSIS
HI 7007/1G	7.01	1 gallon (3.78 L)	bottle		on request
HI 7007/1L	7.01	1 L	bottle		on request
HI 7007L	7.01	500 mL	bottle		on request
HI 7007L/C	7.01	500 mL	bottle		•
HI 7007M	7.01	230 mL	bottle		on request
HI 8007/1L	7.01	1 L	bottle	•	•
HI 8007L	7.01	500 mL	bottle	•	•
HI 8007L/C	7.01	500 mL	bottle	•	•

SACHETS				
CODE	pH VALUE @25°C	SIZE	PACKAGE	CERTIFICATE OF ANALYSIS
HI 70007C	7.01	20 mL	sachets (25)	•
HI 70007P	7.01	20 mL	sachets (25)	
HI 7007P/5	7.01	20 mL	sachets (500)	
HI 770710C	10.01 & 7.01	20 mL	sachets (10, 5 ea)	•
HI 770710P	10.01 & 7.01	20 mL	sachets (10, 5 ea)	
HI 77100C	1413 µS/cm & pH 7.01	20 mL	sachets (20, 10 ea)	•
HI 77100P	1413 µS/cm & pH 7.01	20 mL	sachets (20, 10 ea)	
HI 77200C*	1500 mg/L (ppm) & pH 7.01	20 mL	sachets (20, 10 ea)	•
HI 77200P*	1500 mg/L (ppm) & pH 7.01	20 mL	sachets (20, 10 ea)	
HI 77300C	1382 mg/L (ppm) & pH 7.01	20 mL	sachets (20, 10 ea)	•
HI 77300P	1382 mg/L (ppm) & pH 7.01	20 mL	sachets (20, 10 ea)	
HI 77400C	4.01 & 7.01	20 mL	sachets (10, 5 ea)	•
HI 77400P	4.01 & 7.01	20 mL	sachets (10, 5 ea)	
HI 77700C	7.01	20 mL	sachets (10, 5 ea)	•
HI 77700P	7.01	20 mL	sachets (10, 5 ea)	

### FDA approved bottle

For maximum reliability choose our solutions in bottles that meet the FDA standards (US Food & Drug Administration) that protect the solutions from extended exposure to light.

\* TDS Conversion Factor 4-4-2: 0.65 ppm = 1 µS/cm (approximately).