

## pH Initial Demonstration of Capability (IDC)

Method Reference:	Standards Method 4500-H+B-2000
Analyst:	Larry W. Barbrow Jr.
Date:	8/7/2014

\*The analyst indicated must perform the calibration as well as all analyses.

### Buffers used for Calibration

	Buffer Value (4, 7, 10, etc)	Buffer ID (manufacturer/lot number, etc)
Buffer 1	4	Oakton Lot#SY1C Exp: 02/2016
Buffer 2	7	Oakton Lot#SW1B Exp: 04/2016
Buffer 3	10	Oakton Lot#SW2C Exp: 04/2016

### Alternate Source Standard Buffer

\*Must be from a different source than the buffers used to calibrate the meter (a pH 7 buffer from a different manufacturer or lot number for example).

Buffer Value (4, 7, 10, etc)	Buffer ID (manufacturer/lot number, etc)
7	LSS Lot#D134-28 Exp: 05/15/2016

### Calibration

Calibration Time

9:00AM

pH 7 Check Sample

pH result	Temperature	Analysis time
7	22.4 C	<b>9:05AM</b>

### Analysis of Alternate Source Standard/ 4 Replicate Samples

Analyst:	Larry W. Barbrow Jr.
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	pH result	Temperature	Analysis time	Within +/-0.1 SU of true value?	
				Yes	No
Sample 1	7.02	22.7	9:06AM	X	
Sample 2	7.01	22.6	9:07AM	X	
Sample 3	7.01	22.6	9:07AM	X	
Sample 4	7.01	22.6	9:08AM	X	

Are all 4 sample results within +/-0.1 SU of the true value fo the standard?	Yes
Yes:	IDC acceptable
No:	IDC not acceptable, Investigate reasons for unacceptable results and repeat entire IDC

Records must be maintained for each operator/analyst while they are conducting the test and for three years after they have stopped doing the testing.