

CALIBRATION TEST CERTIFICATE – Page 1 of 1 – pH Probe

Model	Serial Number	Date-time	Result
PHC10101	181912567048	7/10/2018	PASS

Tested characteristic	Min	Max	Value	
Probe recognition				PASS
Physical inspection				PASS
Reference temperature (°C)	15	30	21.90	PASS
Diff. temperature probe vs ref. (°C)	-0.3	.3	-0.08	PASS
Calibration temperature (°C)	15	35	21.99	PASS
Temperature homogeneity (°C)	-1	1	0.080	PASS
pH 4 reading (mV)	154	199	172.9	PASS
pH 7 reading (mV)	-30	30	-1.46	PASS
pH 10 reading (mV)	-199	-154	-175.84	PASS
Slope (mV) at ambient temp.	-61.38	-55.75	-57.75	PASS
Slope (mV) adjusted to 25°C	-62.0	-56.3	-58.33	PASS
Slope (%)	95.0	102.5	98.60%	PASS
Response time (pH 7-4 T _{95%} sec)	0	20	1.05	PASS
Response time (pH 7-10 T _{95%} sec)	0	20	6.27	PASS
pH 4 Stabilization Time (sec)	0	40	30.74	PASS
pH 7 Stabilization Time (sec)	0	40	23.16	PASS
pH 10 Stabilization Time (sec)	0	40	33.72	PASS

	Nominal	Type	Batch number
Buffer 1	4.005 ±0.010 at 25°C	pH4	See note
Buffer 2	7.000 ±0.010 at 25°C	pH7	See note
Buffer 3	10.000 ±0.010 at 25°C	PH10	See note

The quality control test criteria listed above ensures superior electrode performance over the warranted life of the probe when proper storage, calibration, and usage instructions published in the product manual are followed.

The pH standard buffers used during probe testing and initial factory calibration are certified by an accredited independent organization as to their pH value, their uncertainty (k = 2), and are completely traceable to primary standards. IntelliCAL™ probe temperature accuracy is a comparative measurement versus a temperature measurement device that has been calibrated and certified by an accredited external agency.

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