

Electrode Quality Certificate

Electrode: HI1230B Parameter: pH SN: 0339860N Recommended for: HI8424

Description: Plastic body, combination pH electrode

Hanna Instruments certifies that this electrode has been produced, calibrated and tested to meet all applicable Hanna procedures, using standards and reference instruments, the accuracy of which is traceable to the National Institute of Standards (NIST) in the USA or to internationally acceptable national physical standards. The standards and reference instruments used in calibration and testing are supported by a calibration system which meets requirements of ISO9001.

Standard Reference Materials: pH: 185h, 186g, 187e, 189c, 191d, 2193a [NIST]

External/Internal reference devices*: KΩ/MΩ: SN#148047ADH [Megohmmeter]

Tests performed using reference devices:

mV (@ 25 °C):	Offset (7.01 pH) [mV]:	0.0	
	Tolerance [mV]:	± 10	
	Reading [mV]:	- 3.2	PASSED
	Slope (4.01 pH) [mV]:	177.5	
mV response time (4.01 pH - 7.01 pH)***:	Tolerance [mV]:	170.4 - 177.5	
	Reading [mV]**:	173.2	PASSED
	Standard time [s]:	< 1	PASSED
	Tolerance [s]:	+ 1	
Glass impedance (@ 25 °C):	Tolerance [MΩ]:	50 - 150	PASSED
Reference impedance (@ 25 °C):	Maximum value [KΩ]:	10	PASSED

*) All references are periodically checked and are used only if are inside certification interval.

**) Offset compensated.

***) Evaluated for 90 % of step.

Quality control and testing criteria have been met.

Date: 2016-10-24

Inspector: Jarca Vestita / Engineer
(Name / Title of Signatory)

Signature: 

CERTELECT_pH_1230B_rev.0.0.2

page 1 of 1