



**SEA-BIRD**  
SCIENTIFIC

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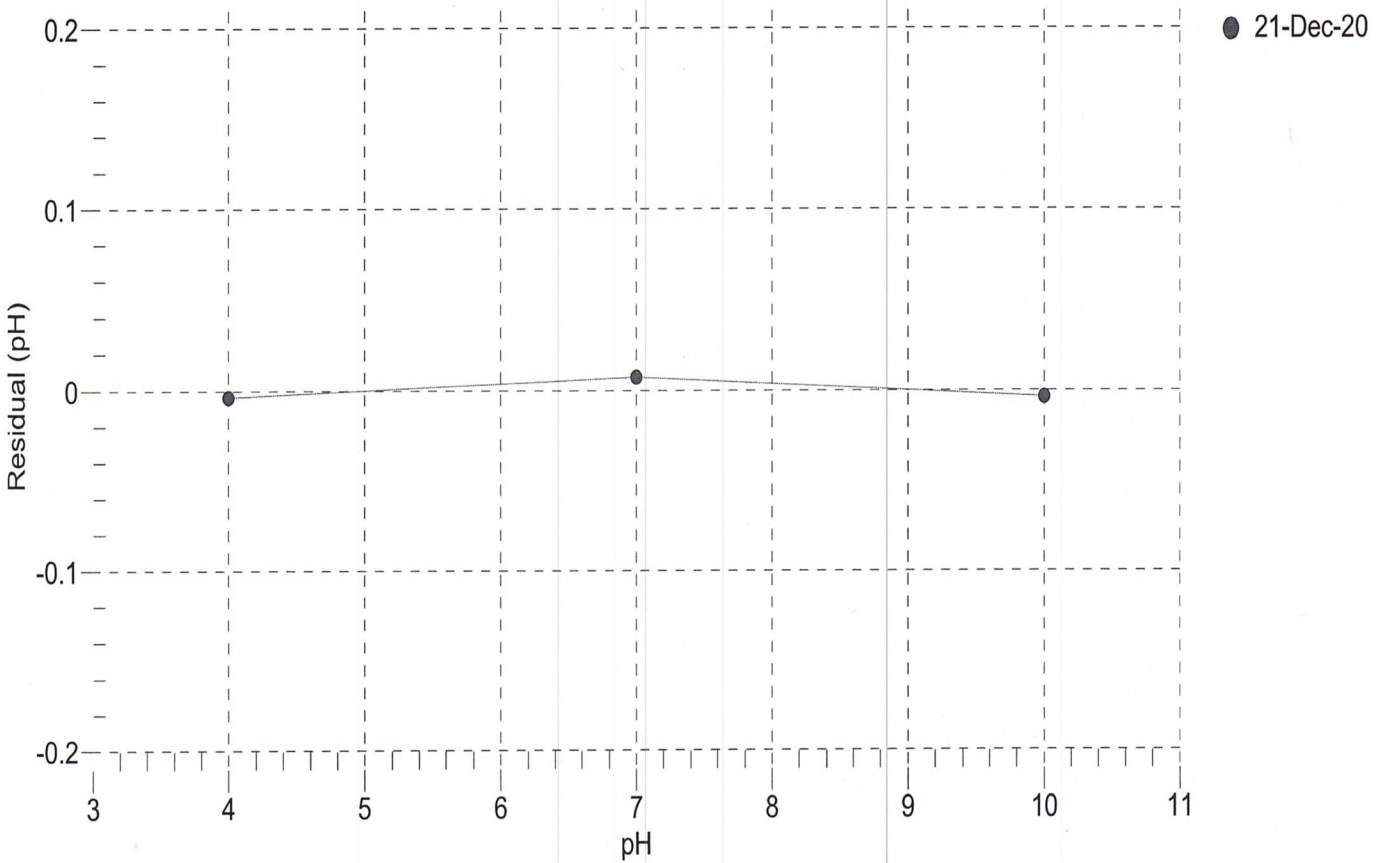
SENSOR SERIAL NUMBER: 1573  
CALIBRATION DATE: 21-Dec-20

SBE 18 pH CALIBRATION DATA

pH COEFFICIENTS:  
pHslope = 4.6240  
pHoffset = 2.5420

pH BUFFER	TEMPERATURE (°C)	INSTRUMENT OUTPUT (volts)	COMPUTED pH	RESIDUAL (pH)
4.0	21.5	1.730	3.996	-0.004
7.0	21.5	2.544	7.007	0.007
10.0	21.5	3.352	9.996	-0.004

Vout = Instrument pH sensor output in volts  
 $pH = 7.0 + (Vout - pHoffset) / (pHslope * °K * 1.98416E-4)$   
 Residual (pH) = instrument pH - buffer pH





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## Pressure Test Certificate

Test Date: 2021-01-06

Description: SBE-18 pH Sensor

### Sensor Information:

Model Number: SBE-18

Serial Number: 1573

### Pressure Test Protocol:

Low Pressure Test: 40 PSI Held For: 15 Minutes

High Pressure Test: 1500 PSI Held For: 15 Minutes

Passed Test: True

Tested By: jy

High pressure is generally equal to the maximum depth rating of the instrument

