ALPHA TECHNICS
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Certificate of Calibration

Serial Number:	16BMM00332	Customer's Asset ID:	N/A
Part Number:	91-5433	Certificate ID:	16BMM0033202272016
Model Number/Description:	Model 5000 with 6" Tubular Probe.		
Accuracy Specification:	The thermometer and probe system was calibrated in a circulating liquid bath set at temperatures listed below by comparison to a temperature standard traceable to the National Institute of Standards and Technology (NIST). The system is calibrated to an accuracy of ±0.01ºC at the calibration points. The one year accuracy for normal use is ±0.03°C for the range of 0°C to 100°C and ±0.05°C for the range of 100°C to 120°C. The measurement temperature range of this device is from 0°C to 120°C.		

Calibration Date:	Feb 27, 2016	Calibration Due Date:	Feb 27, 2017
Calibration Interval (months):	12	Procedure:	MPI 5062
Ambient Temperature (ºC):	21.2	Ambient Humidity (%):	37.8
Received In/Out Tolerance:	N/A: new thermometer	Calibration Points (ºC):	-0.00, 40.00, 80.00, and 120.00
Repairs Performed:	N/A: new thermometer		

Before Calibration Data

Reference (ºC)	Measured (ºC)	Difference (ºC)	Reference (ºC)	Measured (ºC)	Difference (ºC)
N/A	N/A	N/A	N/A	N/A	N/A
Reference (ºC)	Measured (ºC)	Difference (ºC)	Reference (ºC)	Measured (ºC)	Difference (ºC)
N/A	N/A	N/A	N/A	N/A	N/A

After Calibration Data

Reference (ºC)	Measured (ºC)	Difference (ºC)	Reference (ºC)	Measured (ºC)	Difference (ºC)
-0.00	0.00	0.00	40.00	40.00	0.00
Reference (ºC)	Measured (ºC)	Difference (ºC)	Reference (ºC)	Measured (ºC)	Difference (ºC)
80.00	80.00	0.00	120.00	120.00	0.00

Alpha Technics certifies that this device has been processed and calibrated in accordance with Alpha Technics processes traceable to the National Institute of Standards and Technology (NIST). Alpha Technics is ISO9001:2008 Certified.

Calibration Standards Utilized

Serial / Control Number	Part Number	Description	Calibration Date	Calibration Due Date
15FMS00012	91-0202	Temperature Standard	Dec 02, 2015	Mar 02, 2016
15GMS00016	91-0203	Temperature Standard	Dec 07, 2015	Mar 07, 2016
HUM0000001	91-HUM0000	Ambient Conditions Standard	Mar 01, 2015	Mar 01, 2016

Technician: Alan Luna

Signature: Jorge Alan Luna A.