



Atlantic Supply

QUALITY DRILLING SUPPLIES AND MATERIALS TESTING EQUIPMENT

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Verification Certificate For Field Thermometer Used To Measure The Temperature of Freshly Mixed Hydraulic-Cement Concrete

Company Name	ABC Material Testing Associates, Inc.	
Company Address	123 Any Street Anytown, FL 12345	
Calibration Date	7/4/08	
Next Calibration Due	7/4/09	
Thermometer Type	Dial	
Model Number	T125C	
Temperature Range	25 °F - 125 °F	
Divisions	1 °F	
Serial Number	AS74081	
Calibrated By:	David Thompson	

Thermometer Verification

Calibration Chamber Temperature °F	Field Thermometer Actual Reading °F	Correction Factor °F
60.00	60	0
90.00	90	0
120.00	120	0

Per ASTM C 1064/C 1064M – 05 Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete the temperature measuring device shall be capable of accurately measuring the temperature of the freshly mixed concrete to +/- 1°F throughout a range of 30 °F to 120 °F. The design of the temperature measuring device shall be such that it allows 3" or more immersion during operation. Each temperature measuring device used for determining temperature of freshly mixed concrete shall be calibrated annually, or whenever there is a question of accuracy. This calibration shall be performed by comparing the readings of the temperature measuring device at two temperatures at least 30 °F (16.7 °C) apart.

Calibration Equipment:

Circulating Water Bath: Polyscience Dual Bath Thermometry Calibration System, Temperature Range -40°C - 200 °C, (-40 °F - 392 °F)

Programmable/Digital Controller: P/N 9712A11C, S/N 108300846

Thermometry Calibration System: P/N 040512, S/N C07200315

Fluid: Propylene glycol inhibited

Reference Thermometer: RTD Platinum Thermometer, Control Company, Model #4132, Serial # 80216640, NIST Traceable, Certificate #4132-1839408, Temp. Range -58°F to 752 °F (-50 °C to 400 °C), Resolution is 0.01° below 200° and 0.1° above 200°, Accuracy is +/- (0.1% + 0.02°) below 200° C and +/- (0.15% + 0.5°C) above 200 °C, Cal. Due: 3-17-10

This certificate shall not be considered or regarded as any type of guarantee or warranty of any form, in favor of the user, the user's customers, or the public at large, that this instrument will continue to retain the same percentage of accuracy as reported on this date, when the calibration, verification, and/or adjustment was performed by Atlantic Supply. Atlantic Supply has absolutely no control over the future operation, performance, damage, maintenance repairs, cleaning and overall condition of said instrument and hereby expressly disclaims any and all liability for damage or loss sustained by any and all parties arising from deterioration, obsolescence, malfunction or sub-standard performance of this instrument. Liability for maintaining this instrument in the same operating condition as it was found to be in on the date of this certificate is the sole responsibility of said instrument's owner.

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