



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc., has assessed the Laboratory of:

InstroTek, Inc.

***5908 Triangle Drive, Raleigh, NC 27617
4495 44th Street Southeast, Suite A, Grand Rapids, MI 49512
4057 Port Chicago Highway, Suite #100, Concord, CA 94520
6625 S. Valley View Boulevard, Suite #400, Las Vegas, NV 89118***

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2005

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated January 2009):

Dimensional and Weighing Device Calibration (As detailed in the supplement)

Such testing and/or calibration services shall only be offered at or from the address given above. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

The validity of this certificate is mandated through ongoing surveillance.

Tracy Szerszen
President/Operations Manager

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:
June 15, 2010

Issue Date:
June 15, 2010

Revision Date:
July 29, 2010

Expiration Date:
June 14, 2012

Accreditation No.:
42939

Certificate No.:
L10-88-R1

Page No.:
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Certificate of Accreditation: Supplement

InstroTek, Inc.

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Accreditation is granted to this facility to perform the following calibrations:

Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	REMARKS
Master Density Blocks	1 120 kg/m ³ to 2 723 kg/m ³ (70.0 lb/ft ³ to 170.0 lb/ft ³)	0.1 %	Calipers, Load Cells, Scales, and Weights Calibrated by an ISO 17025 Accredited Laboratory Site(s): NC
Master Moisture Blocks	0 kg/m ³ to 800 kg/m ³ (0.0 lb/ft ³ to 50.0 lb/ft ³)	0.2 %	
In-House Master Gauges	Density: 1 120 kg/m ³ to 2 723 kg/m ³ (70.0 lb/ft ³ to 170.0 lb/ft ³) Moisture: 0 kg/m ³ to 800 kg/m ³ (0.0 lb/ft ³ to 50.0 lb/ft ³)	Density: 0.2 % Moisture: 1.0 %	Calibrated on Master Density and Master Moisture Blocks Site(s): NC
Secondary Density Reference Blocks	1 120 kg/m ³ to 2 723 kg/m ³ (70.0 lb/ft ³ to 170.0 lb/ft ³)	0.2 %	Master Gauge: InstroTek 3500 or Troxler 3430 Site(s): NC, MI, CA, NV
Secondary Moisture Reference Blocks	0 kg/m ³ to 800 kg/m ³ (0.0 lb/ft ³ to 50.0 lb/ft ³)	1.5 %	
Client Nuclear Moisture/Density Gauges	Density: 1 120 kg/m ³ to 2 723 kg/m ³ (70.0 lb/ft ³ to 170.0 lb/ft ³) Moisture: 0 kg/m ³ to 800 kg/m ³ (0.0 lb/ft ³ to 50.0 lb/ft ³)	Density: 0.3 % Moisture: 2.2 %	Master Density and Master Moisture Blocks or Secondary Density or Moisture Reference Blocks Site(s): NC, MI, CA, NV
Client Nuclear Density Gauges	1 120 kg/m ³ to 2 723 kg/m ³ (70.0 lb/ft ³ to 170.0 lb/ft ³)	0.3 %	Master Density Blocks or Secondary Density Reference Blocks Site(s): NC, MI, CA, NV
Validator I Density Block	Density: 1 120 kg/m ³ to 2 723 kg/m ³ (70.0 lb/ft ³ to 170.0 lb/ft ³) Moisture: 0 kg/m ³ to 800 kg/m ³ (0.0 lb/ft ³ to 50.0 lb/ft ³)	Density: 0.2 % Moisture: 1.5 %	In-House Master Gauges: InstroTek 3500, CPN MC1DRP, Troxler 3430, Humboldt 5001, Troxler 3450 Site(s): NC
Validator II Density Block	1 120 kg/m ³ to 2 723 kg/m ³ (70.0 lb/ft ³ to 170.0 lb/ft ³)	0.2 %	In-House Master Gauges: Troxler 4640, Troxler 3450 Site(s): NC
Validator I Nuclear Moisture/Density Calibrated Gauges	Density: 1 120 kg/m ³ to 2 723 kg/m ³ (70.0 lb/ft ³ to 170.0 lb/ft ³) Moisture: 0 kg/m ³ to 800 kg/m ³ (0.0 lb/ft ³ to 50.0 lb/ft ³)	Density: 0.3 % Moisture: 2.2 %	Validator I Density Block Site(s): NC, MI, CA, NV



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ValiDator II Nuclear Density Calibrated Gauges	1 120 kg/m ³ to 2 723 kg/m ³ (70.0 lb/ft ³ to 170.0 lb/ft ³)	0.3 %	ValiDator II Density Block Site(s): NC, MI, CA, NV
Gyratory Internal Angle	0.40° to 2.50°	0.015°	Pine Instrument Company RAM® Device (P/N: AFLS1) Site(s): NC
Gyratory Compaction Height	25 mm to 300 mm (1 in to 12 in)	0.001 5 mm (0.000 06 in)	Pine Instrument Company 1-2-3 Gage Blocks (P/N: RAG123) Site(s): NC
Gyratory Compaction Force	200 kPa to 900 kPa (29 PSI to 131 PSI)	0.5 %	Pine Instrument Company 5000lbf Proving Ring (P/N: AFGCLR05C) Site(s): NC

Mass, Force, and Weighing Device

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	REMARKS
Scales and Balances	1 g to 22 kg	$(1.63 \times 10^{-1} + 5.42 \times 10^{-7} \text{Wt}) \text{ g}$	Class 1 Weights Site(s): NC, MI, CA, NV

1. Remarks: This column shall include pertinent information about the calibration of the Measured Instrument or parameter. The information should include the type of standards used and any pertinent information about the measurement method. This column is not to be used for commercial advertisement of laboratory services.
2. The term Wt represents weight in pounds or grams (including SI multiple and submultiple units) appropriate to the uncertainty statement.