



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
6625 South Valley View Blvd., Suite 400, Las Vegas, NV 89118
4495 44th Street SE, Suite A, Grand Rapids, MI 49512
5052 Commercial Circle, Concord, CA 94520***

(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):

Calibration of Nuclear Density and Moisture Measuring Devices and Related Standards, Weighing Devices and Gyrotory Compactors
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. 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:

<i>Initial Accreditation Date:</i>	<i>Issue Date:</i>	<i>Accreditation No.:</i>	<i>Certificate No.:</i>
June 15, 2010	August 14, 2012	42939	L12-150

Tracy Szerszen
President/Operations Manager

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

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjilabs.com



Certificate of Accreditation: Supplement

Instrotek, Inc.

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 4495 44th Street Southeast, Suite A, Grand Rapids, MI 49512
 5052 Commercial Circle, Concord, CA 94520
 6625 South Valley View Blvd., Suite #400, Las Vegas, NV 89118
 Adam C. O'Neill Phone: 919-875-8371

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

Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
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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Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
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) or IPC Gage Blocks (P/N: 0002-2524) 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) or Interface 3Kip Load Cell (P/N: 1101ACK-3K) Site(s): NC

Mass, Force, and Weighing Device

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Scales and Balances	1 g to 22 kg	(1.63 x 10 ⁻¹ + 5.42 x 10 ⁻⁷ Wt) g	Class 1 Weights Site(s): NC, MI, CA, NV

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represent the smallest measurement uncertainties attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is expressed at a confidence level of 95 % using a coverage factor *k* (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.
3. The term Wt represents weight in pounds or grams (including SI multiple and submultiple units) appropriate to the uncertainty statement.



Perry Johnson Laboratory Accreditation, Inc.



August 14, 2012

Adam O'Neill
Instrotek, Inc.
5908 Triangle Drive
Raleigh, NC 27617

Dear Mr. O'Neill:

This letter is to confirm that you have successfully completed your reaccreditation assessment. A certificate has now been granted and posted on our website. As you are aware, PJLA will no longer be issuing expiration dates on our certificates. Your certificate # **L12-150** will remain valid as long as you continue to maintain your annual assessments and reaccreditation assessments as stated in your customer agreement with PJLA. At this time, we have confirmed that your annual assessments will be conducted during the month of **February** each calendar year. This will include an interim surveillance assessment and a full system reassessment to be completed by **February 2014**. Once your reassessment is conducted and approved by our accreditation committee a revised status letter will be provided to you. Please allow PJLA at least 120 days from your assessment due date to issue this letter.

Please feel free to release this letter to any interested parties as confirmation of your certificate validity. Also, please remind them that your certificate is posted on our website at all times. Any changes in regards to your accreditation status will be reflected on our website.

We would like to thank you for your patronage over the past years and look forward to continuously serving your accreditation needs in the future. If we can assist you any further, please feel free to contact us at any time.

Sincerely,

Tracy Szerszen
President/Operations Manager