



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

***Precision Weighing, Inc.
1949 Evans Road
Cary, NC 27513***

(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-IAAF Communiqué dated January 2009):

***Calibration of Weighing Devices and Pipettes
(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)
26555 Evergreen, Suite 1325
Southfield, Michigan 48076

Initial Accreditation Date:
March 23, 2010

Accreditation No.:
67071

Issue Date:
March 23, 2010

Certificate No.:
L10-40

Expiration Date:
March 22, 2012

Page No.:
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Certificate of Accreditation: Supplement

Precision Weighing, Inc.
1949 Evans Road
Cary, NC 27513

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

Mass, Force, and Weighing Devices

| MEASURED INSTRUMENT, QUANTITY OR GAUGE | RANGE (AND SPECIFICATION WHERE APPROPRIATE) | BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm) | REMARKS |
|---|---|---|------------------------------------|
| Micro Balance | 1 mg to 2 g Res. = 0.1 μ g | 0.002 8 mg | Class 1 Weights |
| | 1 mg to 2 g Res. = 1 μ g | 0.003 0 mg | |
| Semi-Micro Balance | 1 mg to 210 g Res. = 0.01 mg | 0.000 14 g | |
| Analytical Balance | 1 mg to 235 g Res. = 0.1 mg | 0.000 12 g | |
| Top-Loading Balance | 1 mg to 620 g Res. = 1 mg | 0.000 65 g | |
| | 10 mg to 6 200 g Res. = 0.01 g | 0.010 g | |
| | 100 mg to 34 000 g Res. = 0.1 g | 0.073 g | Class 1 Weights Class 4 Weights |
| Platform Scale | 1 g to 30 000 g Res. = 1 g | 1.0 g | Class 4 Weights Class F Weights |
| | 5 g to 150 kg Res. = 5 g | 5.1 g | |

Mechanical

| MEASURED INSTRUMENT, QUANTITY OR GAUGE | RANGE (AND SPECIFICATION WHERE APPROPRIATE) | BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm) | REMARKS |
|---|---|---|-------------|
| Pipette | 0.5 μ L to 2 μ L | 0.035 μ L | Gravimetric |
| Pipette | 2 μ L to 10 μ L | 0.061 μ L | |
| Pipette | 4 μ L to 20 μ L | 0.050 μ L | |
| Pipette | 20 μ L to 100 μ L | 0.23 μ L | |
| Pipette | 40 μ L to 200 μ L | 0.49 μ L | |
| Pipette | 200 μ L to 1 000 μ L | 1.9 μ L | |
| Pipette | 1 000 μ to 5 000 μ L | 6.2 μ L | |
| Pipette | 2 mL to 10 mL | 14 μ L | |