

PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

**Charlotte Scale Co., Inc.
1510 Ameron Dr
Charlotte, NC 28206-1606**

(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-FLAC-IAF Communiqué dated January 2009):

**Calibration of Mass Weighing Devices Including (But Not Limited to): Analytical Balances,
Platform Scales and Vehicle/Truck Scales
(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:

May 16, 2001

Issue Date:

June 14, 2009

Expiration Date:

June 13, 2011

Accreditation No.:

59084

Certificate No.:

L09-64

Page No.:

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Certificate of Accreditation: Supplement

Charlotte Scale Co., Inc.
1510 Ameron Dr
Charlotte, NC 28206-1606

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

Mass, Force, and Weighing

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	REMARKS
Scales and Balances	0.001 g to 500 g	$(1.15 \times 10^{-3} + 1.30 \times 10^{-6} \text{wt}) \text{ g}$	Class 1 Weights ASTM E617
	0.01 g to 5 000 g	$(1.15 \times 10^{-2} + 1.30 \times 10^{-6} \text{wt}) \text{ g}$	
	0.1 g to 50 000 g	$(1.15 \times 10^{-1} + 1.13 \times 10^{-4} \text{wt}) \text{ g}$	
	0.000 2 g to 640 g	$(2.31 \times 10^{-4} + 2.63 \times 10^{-6} \text{wt}) \text{ g}$	
	0.002 g to 1 000 g	$(2.31 \times 10^{-3} + 1.39 \times 10^{-6} \text{wt}) \text{ g}$	
	0.02 g to 10 000 g	$(2.31 \times 10^{-2} + 1.39 \times 10^{-6} \text{wt}) \text{ g}$	
	0.000 5 g to 1 600 g	$(5.77 \times 10^{-4} + 2.51 \times 10^{-6} \text{wt}) \text{ g}$	
	0.005 g to 2 500 g	$(5.77 \times 10^{-3} + 1.37 \times 10^{-6} \text{wt}) \text{ g}$	
	0.05 g to 25 000 g	$(5.77 \times 10^{-2} + 1.37 \times 10^{-6} \text{wt}) \text{ g}$	
	0.2 g to 100 000 g	$(2.31 \times 10^{-1} + 1.13 \times 10^{-4} \text{wt}) \text{ g}$	Class F Weights NIST HB 44
	0.5 g to 250 000 g	$(5.77 \times 10^{-1} + 1.15 \times 10^{-4} \text{wt}) \text{ g}$	
	0.001 lb to 50 lb	$(1.15 \times 10^{-3} + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$	
	0.002 lb to 100 lb	$(2.31 \times 10^{-3} + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$	
	0.005 lb to 250 lb	$(5.77 \times 10^{-3} + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$	
	0.01 lb to 500 lb	$(1.15 \times 10^{-2} + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$	
	0.02 lb to 1 000 lb	$(2.31 \times 10^{-2} + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$	
	0.05 lb to 2 500 lb	$(5.77 \times 10^{-2} + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$	
	0.1 lb to 5 000 lb	$(1.15 \times 10^{-1} + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$	
	0.2 lb to 10 000 lb	$(2.31 \times 10^{-1} + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$	
0.5 lb to 25 000 lb	$(5.77 \times 10^{-1} + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$		
1 lb to 50 000 lb	$(1.16 + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$		
2 lb to 100 000 lb	$(2.31 + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$		
5 lb to 250 000 lb	$(5.78 + 9.47 \times 10^{-5} \text{wt}) \text{ lb}$		
10 lb to 200 000 lb	$(11.55 + 2.37 \times 10^{-4} \text{wt}) \text{ lb}$		
20 lb to 400 000 lb	$(23.09 + 2.37 \times 10^{-4} \text{wt}) \text{ lb}$		
50 lb to 1 000 000 lb	$(57.73 + 2.37 \times 10^{-4} \text{wt}) \text{ lb}$		

Certificate of Accreditation: Supplement

Charlotte Scale Co., Inc.
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Charlotte, NC 28206-1696

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

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.
3. The lower end of scale calibration ranges represents the smallest weight a laboratory would use when performing a calibration. The scale may in fact be capable of weighing smaller values.