



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

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

**Catawba Valley Scale Company, Inc.  
2510 Cherry Lane  
Denver, NC 28037**

*(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):*

**Laboratory and Field Calibration of Weighing and Force Measurement Equipment  
(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

<i>Initial Accreditation Date:</i>	<i>Issue Date:</i>	<i>Revision Date:</i>	<i>Expiration Date:</i>
December 02, 2002	December 13, 2008	January 07, 2010	December 12, 2010

<i>Accreditation No:</i>	<i>Certificate No:</i>	<i>Page No:</i>
59077	L08-87-R2	Page 1 of 2



# Certificate of Accreditation: Supplement

Catawba Valley Scale Company, Inc.  
2510 Cherry Lane  
Denver, NC 28037

*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
Analytical Balance Top Loader Balance	2 mg to 500 g Res. = 0.000 1 g	$(3.0 \times 10^{-4} + 1.15 \times 10^{-4}Wt) \text{ g}$	Handbook 44 Class I Devices and Method Class S Weights
Electronic Balances Top Loader Type	0.1 g to 10 000 g Res. = 0.1 g	$(1.16 \times 10^{-1} + 1.04 \times 10^{-4}Wt) \text{ g}$	Handbook 44 Class II Devices and Method Class F Weights
Dial and Beam Scales Bench Scales and Floor Scales	0.001 lb to 10 lb Res. = 0.001 lb	$(1.20 \times 10^{-3} + 4.78 \times 10^{-5}Wt) \text{ lb}$	Handbook 44 Class III Devices and Method Class F Weights
	0.01 lb to 100 lb Res. = 0.01 lb	$(1.16 \times 10^{-2} + 4.78 \times 10^{-5}Wt) \text{ lb}$	
	0.1 lb to 1 000 lb Res. = 0.1 lb	$(1.16 \times 10^{-1} + 4.78 \times 10^{-5}Wt) \text{ lb}$	
	1 lb to 10 000 lb Res. = 1 lb	$(1.16 + 4.78 \times 10^{-5}Wt) \text{ lb}$	
	4 lb to 40 000 lb Res. = 4 lb	$(4.62 + 4.78 \times 10^{-5}Wt) \text{ lb}$	
Vehicle Scales Axle Load Scales Livestock Scales Crane and Hopper Scales	100 lb to 200 000 lb Res. = 100 lb	118 lb	Handbook 44 Class III Devices and Method Class F Weights
Wheel Load Weighers Portable Axle Load Weighers	10 lb to 10 000 lb Res. = 10 lb	12 lb	Handbook 44 Class III Devices and Method Class F Weights
Force Measurement Universal Materials Testing Machines	0.004 5 kg to 453.59 kg (0.01 lb to 1 000 lb)	$(4.68 \times 10^{-3} + 0.115Wt) \text{ kg}$ $[(1.15 \times 10^{-2} + 1.05 \times 10^{-4}Wt) \text{ lb}]$	ASTM E 4-07 Class F Weights

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. Best Measurement Capability (BMC) represents an expanded uncertainty with a confidence level of approximately 95% using a coverage factor "k" = 2. The BMC listed represents the best uncertainty attainable for a balance or scale that the organization calibrates in its laboratory. When calibrations are performed off-site, estimated uncertainties are typically higher due to equipment resolution, mechanical influences and environmental influences at the calibration site.
4. 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.