PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Acme Scale Systems, Inc.
1100 N. Villa Avenue
Villa Park, IL 60181

(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 Weighing and Force Measurement Equipment in the Lab and Field Sites Controlled by the Lab; Calibration of Dimensional Measuring 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:

Tracy Szerszen
President/Operations Manager

The validity of this certificate is mandated through ongoing surveillance.

Perry Johnson Laboratory Accreditation, Inc. (PJLA)
26555 Evergreen, Suite 1325
Southfield, Michigan 48076

Initial Accreditation Date:	*Issue Date:*	*Revision Date:*	*Expiration Date:*
November 04, 2002	October 25, 2008	January 22, 2010	October 24, 2010

Accreditation No:	*Certificate No:*	*Page No:*
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Certificate of Accreditation: Supplement

Acme Scale Systems, Inc.
1100 N. Villa Avenue
Villa Park, IL 60181

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 (±)	REMARKS
Analytical Balances Class I	1 g to 320 g	$(1.19 \times 10^{-1} + 2.62 \times 10^{-6}\text{Wt})$ mg	Handbook 44 Class 1
Electronic Balances Top Loader Type Class I	1 g to 1 200 g	$(1.16 + 2.08 \times 10^{-6}\text{Wt})$ mg	Handbook 44 Class 1
Electronic Balances Top Loader Type Class I/II	1 g to 8 200 g	$(11.6 + 6.21 \times 10^{-8}\text{Wt})$ mg	Handbook 44 Class 1
Electronic Balances Top Loader Type Class II/III	1 g to 64 000 g	$(1.16 + 9.88 \times 10^{-5}\text{Wt})$ g	Handbook 44 Class F
Bench Scales Class III/IIIL	1 g to 250 kg	$(1.16 + 9.88 \times 10^{-5}\text{Wt})$ g	Handbook 44 Class F
Floor Scales Class III/IIIL	1 kg to 10 000 kg	$(1.16 + 4.79 \times 10^{-5}\text{Wt})$ kg	Handbook 44 Class F
Floor Scales Lift Truck Scales Fork Lift Class III/IIIL	5 kg to 20 000 kg	$(5.78 + 3.41 \times 10^{-5}\text{Wt})$ kg	Handbook 44 Class F
Vehicle Scales Axle Load Scales Tank / Hopper Scales Class III	5 kg to 90 000 kg	$(5.78 + 6.80 \times 10^{-5}\text{Wt})$ kg	Handbook 44 Class F
Crane Scales / Dynamometers / Load Cells Class III	500 lbs to 120 000 lbs	$(23.1 + 8.88 \times 10^{-8}\text{Wt})$ lb	Handbook 44 Test Beam / Class F
Wheel Load Weighers Portable Axle Load Weighers Class III/IIIL/IIII	10 kg to 30 000 kg	$(11.6 + 1.70 \times 10^{-5}\text{Wt})$ kg	Handbook 44 Class F
Force Compression and Tension	1 g to 100 kg	$(11.2 + 1.10 \times 10^{-4}\text{Wt})$ kg	Class 7 weights
Crane Scales Hydraulic Capacity Class III	250 lbs to 300 000 lbs	$(223 + 7.62 \times 10^{-4}\text{Wt})$ lb	Dead Weight Tester Ametek RQ-100

Certificate of Accreditation: Supplement

Acme Scale Systems, Inc.
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Villa Park, IL 60181

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 (±)	REMARKS
Calipers	0 mm to 304.8 mm	(R / √3) µm	Gage blocks
Micrometers Outside	0 mm to 152.4 mm	(1.4 + 0.003L) µm	
Micrometers Depth	0 mm to 152.4 mm	(1.4 + 0.003L) µm	
Digital Indicators	0 mm to 101.6 mm	(2.72 + 0.008L) µm	
Dial Indicators	0 mm to 101.6 mm	(5.72 + 0.005L) µm	
Test Indicators	0 mm to 1.27 mm	0.61 µm	

1. Best Measurement Capability (BMC) represents an expanded uncertainty with a confidence level of approximately 95% using a coverage factor "k" = 2.
2. Environmental field site conditions may further influence any stated uncertainties listed in this scope. Controls will be established during field site calibration to ensure influences are not significant. Calibrations will be stopped should this occur.
3. The term R represents radius I inches or millimeter appropriate to the uncertainty statement.
4. The term L represents length in inches or millimeters as appropriate to the uncertainty statement.
5. The term Wt represents weight in pounds or grams (including SI multiple and submultiple units) appropriate to the uncertainty statement.
6. 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.