



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Shea+Latone, Inc.

239 Jefferson St., East Greenville, PA 18041

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

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 April 2017):

Mechanical Testing
(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:

Initial Accreditation Date:

July 19, 2017

Issue Date:

September 4, 2019

Expiration Date:

October 31, 2021

Tracy Szerszen
President/Operations Manager

Accreditation No.:

94005

Certificate No.:

L19-427

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

Shea+Latone, Inc.

239 Jefferson St., East Greenville, PA 18041
 Contact Name: Jeffrey Theesfeld Phone: 215-679-6155

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Mechanical ^F	General Purpose Office Chairs	Backrest Strength Test – Static – Type I & II	BIFMA X5.1-2017 5	150 lbf Functional Load 225 lbf Proof Load
		Backrest Strength Test – Static – Type III	BIFMA X5.1-2017 6	
		Drop Test – Dynamic	BIFMA X5.1-2017 7	225 lbf Functional Load 300 lbf Proof Load
		Swivel Test – Cyclic	BIFMA X5.1-2017 8	270 lb 60 000 Cycles
		Tilt Mechanism Test – Cyclic	BIFMA X5.1-2017 9	240 lb 300 000 Cycles
		Seating Durability Tests – Cyclic	BIFMA X5.1-2017 10	125 lbf, 100,000 Cycles 200 lbf, 40 000 Cycles
		Stability Tests	BIFMA X5.1-2017 11	4.5 lbf to 20.9 lbf
		Arm Strength Test – Vertical – Static	BIFMA X5.1-2017 12	169 lbf Functional Load 253 lbf Proof Load
		Arm Strength Test – Horizontal – Static	BIFMA X5.1-2017 13	100 lbf Functional Load 150 lbf Proof Load
		Backrest Durability – Cyclic – Type I	BIFMA X5.1-2017 14	100 lbf 120 000 Cycles
		Backrest Durability – Cyclic – Type II & III	BIFMA X5.1-2017 15	75 lbf 120 000 Cycles
		Caster/Chair Base Durability Test – Cyclic	BIFMA X5.1-2017 16	270 lbs 100 000 Cycles 5 lbf Pull Test
		Leg Strength Test – Front and Side Application	BIFMA X5.1-2017 17	75 lbf Functional Load 113 lbf Proof Load
		Footrest Static Load Test – Vertical	BIFMA X5.1-2017 18	100 lb to 1 min 200 lb to 1 min 300 lb to 1 min
		Footrest Durability Test – Vertical – Cyclic	BIFMA X5.1-2017 19	200 lbf 50 000 Cycles
		Arm Durability Test – Cyclic	BIFMA X5.1-2017 20	90 lbf 60 000 Cycles
		Out Stop Tests for Chairs with Manually Adjustable Seats	BIFMA X5.1-2017 21	55 lbf 25 cycles
		Tablet Arm Chair Static Load Test	BIFMA X5.1-2017 22	150 lb to 1 min
		Tablet Arm Chair load Ease Test – Cyclic	BIFMA X5.1-2017 23	55 lb 100 000 Cycles
		Structural Durability	BIFMA X5.1-2017 24	75 lbf 25 000 cycles
	Lounge and Public Seating Products	Backrest Strength – Horizontal Static	BIFMA X5.4-2012 5	150 lbf Functional Load 250 lbf Proof Load



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Mechanical ^F	Lounge and Public Seating Products	Backrest Strength – Vertical Static	BIFMA X5.4-2012 6	200 lbf Functional Load 300 lbf Proof Load
		Backrest Durability – Horizontal Static	BIFMA X5.4-2012 7	75 lbf 120 000 Cycles
		Backrest Durability – Vertical Static	BIFMA X5.4-2012 8	200 lbf 10 000 Cycles
		Arm Strength – Horizontal Static	BIFMA X5.4-2012 9	100 lbf Functional to 133 lbf Functional 150 lbf Proof to 200 lbf Proof
		Arm Strength – Vertical Static	BIFMA X5.4-2012 10	169 lbf Functional to 200 lbf Functional 253 lbf Proof to 300 lbf Proof
		Arm Durability – Horizontal Cyclic	BIFMA X5.4-2012 11	100 lbf 50 000 Cycles
		Arm Durability Multiple Seats – Vertical Cyclic	BIFMA X5.4-2012 12	150 lbf 10 000 Cycles
		Arm Durability Single Seat – Angular Cyclic	BIFMA X5.4-2012 13	90 lbf 60 000 Cycles
		Seating Durability - Cyclic	BIFMA X5.4-2012 14	125 lbf 100 000 Cycles
		Drop Test - Dynamic	BIFMA X5.4-2012 15	225 lbf Functional Load 300 lbf Proof Load
		Leg Strength – Front and Side	BIFMA X5.4-2012 16	75 lbf Functional Load 113 lbf Proof Load
		Unit Drop Test - Dynamic	BIFMA X5.4-2012 17	2.4 in to 7.1 in
		Caster and chair base durability - cyclic	BIFMA X5.4-2012 18	250 lb 25 500 Cycles
		Swivel - Cyclic	BIFMA X5.4-2012 19	250 lb 120 000 Cycles
		Tilt Mechanism - Cyclic	BIFMA X5.4-2012 20	225 lb 200 000 Cycles
		Stability	BIFMA X5.4-2012 21	20.9 lbf
		Tablet Arm Load Ease - Cyclic	BIFMA X5.4-2012 22	77 lbf 100 000 Cycles
Tablet Arm Load - Static	BIFMA X5.4-2012 23	150 lbf to 1 min		



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Mechanical ^F	Desk Table Products	Stability Tests	BIFMA X5.5-2014 4	10 lb to 125 lb
		Unit Strength Test	BIFMA X5.5-2014 5	5 lb to 300 lb
		Top Load Ease Cycle Test	BIFMA X5.5-2014 6	200 lb 10 000 Cycles
		Desk/Table Unit Drop Test	BIFMA X5.5-2014 7	2.4 in to 7.1 in
		Leg Strength Test	BIFMA X5.5-2014 8	0 lbf to 100 lbf
		Separation Tests for Tall Desk/Table Products	BIFMA X5.5-2014 9	50 lb
		Extendible Element Cycle Test	BIFMA X5.5-2014 10	50 000 Cycles
		Extendible Retention Impact and Durability Tests	BIFMA X5.5-2014 11	15 000 Cycles
		Durability Test for Desks and Tables with Casters	BIFMA X5.5-2014 18	85 lb 100 Cycles to 2 500 Cycles
		Pull Force Test	BIFMA X5.5-2014 19	11.2 lbf
		Tilting Top Table Top Cycle Test	BIFMA X5.5-2014 20	2 5000 Cycles
		Tilting Top Table – Latch Strength Test	BIFMA X5.5-2014 21	30 lbf to 50 lbf
		Monitor Arm Strength Test	BIFMA X5.5-2014 22	44 lbf
		Monitor Arm Cycle Tests	BIFMA X5.5-2014 23	2 500 Cycles
	Monitor Arm Cycle Tests	BIFMA X5.5-2014 24	9 lbf	
	General Purpose Large Occupant Office Chair	Seat Width Measurement	BIFMA X5.11-2015 5	22 in
		Backrest Strength Test – Static – Type I	BIFMA X5.11-2015 6	200 lbf Functional Load 300 lbf Proof Load
		Backrest Strength Test – Static – Type II & Type III	BIFMA X5.11-2015 7	150 lbf Functional Load 250 lbf Proof Load
		Drop Test – Dynamic	BIFMA X5.11-2015 8	250 lbf Functional Load 350 lbf Proof Load
		Swivel Test – Cyclic	BIFMA X5.11-2015 9	400 lb 120 000 Cycles
		Tilt Mechanism Test – Cyclic	BIFMA X5.11-2015 10	350 lb 300 000 Cycles
		Seating Durability Test – Cyclic	BIFMA X5.11-2015 11	200 lb 100 000 Cycles
		Stability Tests	BIFMA X5.11-2015 12	4.5 lbf to 20.9 lbf
		Arm Strength Test – Vertical – Static	BIFMA X5.11-2015 13	200 lbf Functional Load 300 lbf Proof Load



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Mechanical ^F	General Purpose Large Occupant Office Chair	Arm Strength Test – Horizontal – Static	BIFMA X5.11-2015 14	100 lbf Functional Load 150 lbf Proof Load
		Backrest Durability Test – Cyclic – Type I	BIFMA X5.11-2015 15	100 lbf 120 000 Cycles
		Backrest Durability Test – Cyclic – Type II & Type III	BIFMA X5.11-2015 16	75 lbf 120 000 Cycles
		Caster/Chair Base Durability Test – Cyclic	BIFMA X5.11-2015 17	400 lb 100 000 Cycles
		Leg Strength Test – Front and Side Application	BIFMA X5.11-2015 18	100 lbf Functional Load 150 lbf Proof Load
	Large Occupant Office Chair	Arm Durability Test – Cyclic	BIFMA X5.11-2015 19	100 lbf 60 000 Cycles
		Out Stop Tests for Chairs with Manually Adjustable Seat Depth	BIFMA X5.11-2015 20	55 lb 25 Cycles
		Tablet Arm Static Load Test	BIFMA X5.11-2015 21	150 lbf to 1 min
		Tablet Arm Load Ease Test – Cyclic	BIFMA X5.11-2015 22	55 lbf 100 000 Cycles
		Structural Durability Test	BIFMA X5.11-2015 23	100 lbf 50 000 Cycles

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.