



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: February 28, 2025

Certificate Number: 6125.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following mechanical tests:

**Test:**

**Corrosion:**

Operating Salt Spray (Fog) Apparatus  
Modified Salt Spray (Fog) Testing  
Testing Water Resistance of Coatings in 100% Relative Humidity  
Testing Water Resistance of Coatings Using Water Fog Apparatus  
Cyclic Salt Fog/UV Exposure of Painted Metal (Alternating  
Exposures in a Fog/Dry Cabinet and a UV/Condensation Cabinet)  
Corrosion tests in artificial atmospheres — Salt spray tests  
Paints and varnishes Determination of resistance to  
cyclic corrosion conditions Part 1: Wet (salt fog)/dry/humid  
Laboratory Cyclic Corrosion Test  
Salt Fog

**Corrosion pre and post-test evaluations:**

Evaluating Degree of Rusting on Painted Steel Surfaces  
Evaluating Degree of Blistering of Paints  
Evaluating Degree of Cracking of Exterior Paints  
Evaluation of Painted or Coated Specimens Subjected to  
Corrosive Environments

**UV:**

**UV- Fluorescent:**

Operating Fluorescent Light Apparatus for UV Exposure of  
Non-metallic Materials  
Fluorescent Ultraviolet Lamp Apparatus Exposure of Plastics  
Fluorescent UV-Condensation Exposures of Paints and  
related coatings  
Fluorescent Ultraviolet Exposure of Photodegradable Plastics  
Conducting a Test of Protective Properties of Polish Applied to a  
Painted Panel Using Fluorescent UV-Condensation Light and  
Water-Exposure Apparatus  
Plastics — Methods of exposure to laboratory light sources  
Part 3: Fluorescent UV lamps  
Accelerated Exposure of Automotive Exterior Materials Using  
a Fluorescent UV and Condensation Apparatus

**Test Method(s):**

ASTM B117  
ASTM G85 (except Annex A4)  
ASTM D2247  
ASTM D1735  
ASTM D5894  
ISO 9227  
ISO 11997  
SAE J2334  
MIL-STD-810H Method 509.7

ASTM D610  
ASTM D714  
ASTM D661  
ASTM D1654

ASTM G154  
ASTM D4329  
ASTM D4587

ASTM D5208  
ASTM D6625

ISO 4892  
SAE J2020

**Test:****UV- Xenon-Arc**

Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials	ASTM G155
Xenon-Arc Exposure of Plastics Intended for Outdoor Applications	ASTM D2565
Xenon-Arc Exposure of Plastics Intended for Indoor Applications	ASTM D4459
Xenon-Arc Exposures of Paint and Related Coatings	ASTM D6695
Xenon-Arc Exposure Test with Enhanced Light and Water Exposure for Transportation Coatings	ASTM D7869
Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc-Type Apparatus	ASTM D4355
Measuring Light Stability of Resilient Flooring by Color Change	ASTM F1515
Plastics — Methods of exposure to laboratory light sources	ISO 4892
Part 2: Xenon-arc lamps	
Textiles — Tests for colour fastness	ISO 105
Part B06: Colour fastness and ageing to artificial light at high temperatures: Xenon arc fading lamp test	
Colorfastness to Artificial Weathering	GMW 14162
Accelerated Exposure of Automotive Interior Trim Components Using a Controlled Irradiance Xenon-Arc Apparatus	SAE J2412
Performance Based Standard for Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Xenon-Arc Apparatus	SAE J2527
Test Method for Colorfastness to Light: Xenon-Arc	AATCC 16.3
Weathering in Dry, Hot Climate	PV 3929
Weathering in Moist, Hot Climate	PV 3930
Visual Deterioration, Xenon Arc Proc. B	FLTM BO 040-01
Exposure of interior trim materials in a controlled irradiance water cooled xenon-arc apparatus	FLTM BO 116-01

**Surface measurements:**

Mandrel Bend Test of Attached organic Coatings	ASTM D522
Specular Gloss Only for: Measurements taken at an angle of 60 degrees	ASTM D523
Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates	ASTM D2244
Measuring Adhesion by Tape Test	ASTM D3359 (Method A and B)
Film Hardness by Pencil Test	ASTM D3363
Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)	ASTM D2794
Abrasion Resistance of Organic Coatings by the Taber Abraser	ASTM D4060
Coating Flexibility of Prepainted Sheet	ASTM D4145
High-Pressure Decorative Laminates	NEMA LD-3 (para. 3.3, 3.7.2 & 3.8 only)

**Plastics, Resins & Rubbers:**

Flatwise tensile Strength of Sandwich Construction	ASTM C297
Core Shear Properties of Sandwich Constructions by Beam Flexure	ASTM C393
Vulcanized Rubber and Thermoplastic Elastomers-Tension	ASTM D412
Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers	ASTM D624
Tensile Properties of Plastics	ASTM D638
Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials	ASTM D790
Tensile Properties of Thin Plastic Sheet	ASTM D882

**Test:****Plastics, Resins & Rubbers (continued):**

Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded  
Metal Specimens by Tensions Loading (Metal-to-Metal)  
Impact Resistance of Plastic Film by the Free-Falling Dart Method  
Climbing Drum Peel for Adhesives  
Peel Resistance of Adhesives (T-Peel Test)  
Face Sheet Properties of Sandwich Constructions by Long Beam  
Flexure  
Vapor Barrier Polyethylene Sheet for Use in Building Construction  
  
Rubber Vulcanized or thermal plastic determination of tensile Stress-  
Strain properties  
Compressive Properties of Rigid Plastics

**Medical: (Except for Sterility Tests)**

Poly (vinyl chloride) Gloves for Medical Application  
Residual Powder on Medical Gloves  
Nitrile Examination Gloves for Medical Application  
Single-use sterile rubber surgical gloves  
Single-use medical examination gloves  
Medical gloves - Determination of removable surface powder

**Business Materials:**

Remanufactured Toner Cartridges

**Climatic Chamber:**

Accelerated Aging of Sterile Barrier Systems for Medical Devices  
Conditioning Containers, Packages, or Packaging Components for  
Testing  
Resistance to humidity hot and cold cycling of trim materials test  
Environmental Exposure Resistance – Humidity Cycle Q  
Environmental Exposure Resistance – Environmental Aging  
Cycle S  
Thermal Insulation Performance of Distribution Packages  
Climatic Stressing of Packaging Systems for Single Parcel Delivery  
Recommended Environmental Practices for Electronic Equipment  
Design in Heavy-Duty Vehicle Applications

**Flammability:**

Test method for determining the flammability of interior trim  
materials  
Road vehicles, and tractors and machinery for agriculture and  
forestry — Determination of burning behaviour of interior  
materials

**Furniture:**

Clothing Storage Units  
Tipover Restraint(s) Used with Clothing Storage Unit(s)  
General Purpose Office Chairs - All tests<sup>1</sup>  
Vertical Files - All tests  
Lounge and Public Seating - All tests<sup>1</sup>  
Desk/Table Products - All tests<sup>1</sup>  
Panel Systems - Except for: Section 4 (Flammability)<sup>1</sup>  
Storage Units - All tests<sup>1</sup>

**Test Method(s):**

ASTM D1002  
  
ASTM D1709 (Method A only)  
ASTM D1781  
ASTM D1876  
ASTM D7249  
  
CAN/CGSB-51.34-M86  
(Except for para. 5.2, 5.4 & 5.7)  
ISO 37  
  
ASTM D695  
  
ASTM D5250  
ASTM D6124  
ASTM D6319  
ISO 10282  
ISO 11193  
ISO 21171  
  
CAN/CGSB-53.148  
  
ASTM F1980  
ASTM D4332  
  
Chrysler LP-463-LB-12-01  
GMW 14124  
GMW 14124  
  
ASTM D3103  
ASTM F2825  
SAE J1455, Sections 4.1.3.2,  
4.1.3.1, and 4.2.3  
  
GMW 3232  
  
ISO 3795  
  
ASTM F2057  
ASTM F3096  
ANSI/BIFMA X5.1  
ANSI/BIFMA X5.3  
ANSI/BIFMA X5.4  
ANSI/BIFMA X5.5  
ANSI/BIFMA X5.6  
ANSI/BIFMA X5.9



**Test:****Furniture (continued):**

General Purpose Large Occupant Office Chairs - All tests<sup>1</sup>  
Large Occupant Public and Lounge Seating<sup>1</sup>  
Educational Seating - All tests<sup>1</sup>  
Occasional-Use Seating - All tests<sup>1</sup>  
Small Office/Home Office Furniture<sup>1</sup>  
Universal Measurement Procedure for the Use of BIFMA Chair  
Measuring Device (CMD) - All measures  
Free Standing Office Desk/table, Storage Products and Components  
  
Interconnecting Panel Systems and Supported Components  
  
Task Chairs for Office Environments  
  
Office Furnishings - Glazed panels  
  
Foldaway Beds

**Packaging**

Packaged-Products 150 lb (68 kg) or Less  
Packaged-Products Over 150 lb (68 kg)  
Extended Testing for Packaged-Products 150 lb (68 kg) or Less  
Extended Testing for Packaged-Products Over 150 lb (68 kg) or Less  
Unitized Loads of Same Product  
Packaged-Product 150 lb (68 kg) or Less (Random Vibration)  
Packaged-Products Over 150 lb (68 kg) (Random Vibration)  
Packaged-Products 150 lb (68 kg) or Less  
Packaged-Products Over 150 lb (68 kg)  
Furniture Packages  
Packaged-Products for Parcel Delivery System Shipment  
70 kg (150 lb) or Less  
Packaged-Products for Less-Than-Truckload (LTL) Shipment  
Similar Packaged-Products in Unitized Loads for Truckload  
Shipment  
Packaged Products in Mixed Pallet Loads for Regional Shipment 100  
lb (45 kg) or Less  
Fast Moving Consumer Goods in the European Retail Supply Chain  
Packaged-Products for Shipment in Known Distribution Channels  
Ships in Own Container (SIOC) for Amazon.com Distribution  
  
System Shipment e-Commerce Fulfillment for Parcel Delivery  
Shipment  
FedEx Procedures for Testing Packaged Products Weighing Up to  
150 lbs  
FedEx Procedures for Testing Packaged Products Weighing More  
Than 150 lbs  
Packaged-Products for Sam's Club Distribution System Shipment  
Temperature Test for Transport Packaging  
Determining Compressive Resistance of Shipping Containers,  
Components, and Unit Loads  
Standard Test Method for Impact Testing for Shipping Containers  
and Systems  
Vibration Testing of Shipping Containers

**Test Method(s):**

ANSI/BIFMA X5.11  
ANSI/BIFMA X5.41  
ANSI/BIFMA X6.1  
BIFMA X6.4  
BIFMA/SOHO S6.5  
BIFMA CMD-1  
  
CAN/CGSB-44.227  
(except for: Section 6.5.7)  
CAN/CGSB-44.229  
(except for: Section 6.1.4, 6.1.6,  
6.1.9 to 6.1.11 & 6.9)  
CAN/CGSB-44.232  
(except for: Section 5.2 & 5.4)  
UL 1286 (only for Part 35.1, 35.2  
& corrosion test 37.3)  
ISO 10131

ISTA 1A  
ISTA 1B  
ISTA 1C  
ISTA 1D  
ISTA 1E  
ISTA 1G  
ISTA 1H  
ISTA 2A  
ISTA 2B  
ISTA 2C  
ISTA 3A  
  
ISTA 3B  
ISTA 3E  
  
ISTA 3F  
  
ISTA 3K  
ISTA 4AB  
ISTA 6 – Amazon.com –  
SIOC  
ISTA 6 – Amazon.com –  
Overboxing  
ISTA 6 – FedEx A  
  
ISTA 6 – FedEx B  
  
ISTA 6 – SAMSCLUB  
ISTA 7D  
ASTM D642  
  
ASTM D880  
  
ASTM D999

**Test:****Test Method(s):****Packaging (continued):**

Standard Packaging Testing of Shipping Containers and Systems	ASTM D4169 DC 2, 3, 4, 5, 6, 12, 13, 14, 15, 16, 17
Random Vibration Testing of Shipping Containers	ASTM D4728
Bridge Impact Testing	ASTM D5265
Drop Test of Loaded Containers by Free Fall	ASTM D5276
Mechanical Handling of Unitized Loads and Large Shipping Cases and Crates	ASTM D6055
Rough Handling of Unitized Loads and Large Shipping Cases and Crates	ASTM D6179
Concentrated Impacts to Transport Packages	ASTM D6344
Determining the Effects of High Altitude on Packaging Systems by Vacuum Method	ASTM D6653
Standard Practice for Performance Testing of Packages for Single Parcel Delivery Systems	ASTM D7386
Detecting Gross Leaks in Packaging by Internal Pressurization (Bubble Test)	ASTM F2096
Detecting Seal Leaks in Porous Medical Packaging by Dye Penetration	ASTM F1929

<sup>1</sup>Meets the **BIFMA Compliant®** program requirement that product testing must be conducted in an ISO/IEC 17025 accredited test laboratory with the ANSI/BIFMA standard listed on the scope of accreditation. **BIFMA Compliant®** is an industry-wide registry of furniture products conforming to ANSI/BIFMA safety and durability standards. Accreditation by A2LA to ANSI/BIFMA standards does not infer acceptance in the BIFMA Compliant program. More information about the program and the product registry can be found at <https://www.bifma.org/page/bifma-compliant>.





# Accredited Laboratory

A2LA has accredited

**MICOM LABORATORIES INC.**

*Dorval, Quebec, Canada*

for technical competence in the field of

**Mechanical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 20<sup>th</sup> day of February 2023.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 6125.01  
Valid to February 28, 2025

*For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.*