



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: February 28, 2023

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:

Test Method(s):

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

ASTM B117
ASTM G85 (except Annex A4)
ASTM D2247
ASTM D1735
ASTM D5894
ISO 9227
ISO 11997
SAE J2334
MIL-STD-810G N. 509.5

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

ASTM D610
ASTM D714
ASTM D661
ASTM D1654

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

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 Weathering in Dry, Hot Climate	AATCC 16.3 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 B only)
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 & 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 Sheeting	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
Accelerated Aging of Sterile Barrier Systems for Medical Devices
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 tests¹
Vertical Files - All tests
Lounge and Public Seating - All tests¹
Desk/Table Products - All tests¹
Panel Systems - Except for: Section 4 (Flammability)¹

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
ASTM F1980
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

Test:

Furniture (continued):

Storage Units - All tests¹
General Purpose Large Occupant Office Chairs - All tests¹
Large Occupant Public and Lounge Seating¹
Educational Seating - All tests¹
Occasional-Use Seating - All tests¹
Small Office/Home Office Furniture¹
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

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 X5.9
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)

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

¹Meets 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 5th day of February 2021.

A blue ink signature of the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6125.01
Valid to February 28, 2023

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