



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: April 30, 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:**

**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  
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  
ISO 9227  
ISO 11997  
SAE J2334  
MIL-STD-810H Method 509.7

**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  
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

ASTM G154  
ASTM D4329  
ASTM D6625  
ISO 4892

**UV- Xenon-Arc**

Operating Xenon Arc Light Apparatus for Exposure of  
Non-Metallic Materials  
Xenon-Arc Exposure of Plastics Intended for Outdoor Applications  
Xenon-Arc Exposure of Plastics Intended for Indoor Applications  
Xenon-Arc Exposure Test with Enhanced Light and  
Water Exposure for Transportation Coatings  
Measuring Light Stability of Resilient Flooring by Color Change

ASTM G155  
ASTM D2565  
ASTM D4459  
ASTM D7869  
ASTM F1515

**Test:****UV- Xenon-Arc (continued)**

Plastics — Methods of exposure to laboratory light sources  
Part 2: Xenon-arc lamps  
Accelerated Exposure of Automotive Interior Trim Components  
Using a Controlled Irradiance Xenon-Arc Apparatus  
Performance Based Standard for Accelerated Exposure of  
Automotive Exterior Materials Using a Controlled Irradiance  
Xenon-Arc Apparatus  
Test Method for Colorfastness to Light: Xenon-Arc

**Test Method(s):**

ISO 4892  
SAE J2412  
SAE J2527  
AATCC 16.3

**Surface measurements:**

Mandrel Bend Test of Attached organic Coatings  
Specular Gloss Only for: Measurements taken at an angle of  
60 degrees  
Calculation of Color Tolerances and Color Differences from  
Instrumentally Measured Color Coordinates  
Measuring Adhesion by Tape Test  
Film Hardness by Pencil Test  
Resistance of Organic Coatings to the Effects of Rapid Deformation  
(Impact)  
Abrasion Resistance of Organic Coatings by the Taber Abraser  
Coating Flexibility of Prepainted Sheet  
High-Pressure Decorative Laminates

ASTM D522  
ASTM D523  
ASTM D2244  
ASTM D3359 (Method A and B)  
ASTM D3363  
ASTM D2794  
ASTM D4060  
ASTM D4145  
NEMA LD-3  
(para. 3.3, 3.7.2 & 3.8 only)

**Plastics, Resins & Rubbers:**

Flatwise tensile Strength of Sandwich Construction  
Vulcanized Rubber and Thermoplastic Elastomers-Tension  
Tear Strength of Conventional Vulcanized Rubber and Thermoplastic  
Elastomers  
Tensile Properties of Plastics  
Flexural Properties of Unreinforced and Reinforced Plastics and  
Electrical Insulating Materials  
Tensile Properties of Thin Plastic Sheeting  
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  
Impact Resistance of Flat, Rigid Plastic by Falling Dart, Mass of Tup  
Brookfield Viscometry

ASTM C297  
ASTM D412  
ASTM D624  
ASTM D638  
ASTM D790  
ASTM D882  
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 D5628  
BATS-4385; A2TS 4385:  
ASTM D1824

**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

ASTM F1980  
ASTM D4332  
Chrysler LP-463-LB-12-01

**Test:**

**Climatic Chamber (continued):**

Environmental Exposure Resistance – Humidity Cycle Q  
Instrument Panel Assembly

Air Ducts-HVAC Systems

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:**

Flammability

**Furniture:**

Tipover Restraint(s) Used with Clothing Storage Unit(s)

General Purpose Office Chairs - All tests<sup>1</sup>

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>

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

Clothing Storage Units

Safety Standard for Clothing Storage units

**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

**Test Method(s):**

GMW 14124

PF-90223, Sections 5.1.2, 5.1.3,  
5.1.4

PF-90230, Sections  
5.1.1,5.1.2,5.1.3,5.1.4, 5.2  
GMW 14124

ASTM D3103

ASTM F2825

SAE J1455, Sections 4.1.3.2,  
4.1.3.1, and 4.2.3

FMVSS 302

ASTM F3096

ANSI/BIFMA X5.1

ANSI/BIFMA X5.4

ANSI/BIFMA X5.5

ANSI/BIFMA X5.6

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)

ASTM F2057

16 CFR 1261

ISTA 1A

ISTA 1B

ISTA 1C

ISTA 1D

ISTA 1E

ISTA 1G

ISTA 1H

ISTA 2A

ISTA 2B

ISTA 2C

**Test:**

**Packaging (continued):**

Packaged-Products for Parcel Delivery System Shipment 70 kg (150 lb) or Less	ISTA 3A
Packaged-Products for Less-Than-Truckload (LTL) Shipment Similar Packaged-Products in Unitized Loads for Truckload Shipment	ISTA 3B ISTA 3E
Packaged Products in Mixed Pallet Loads for Regional Shipment 100 lb (45 kg) or Less	ISTA 3F
Generalized E-commerce Retailer Fulfillment Test	ISTA 3L
Fast Moving Consumer Goods in the European Retail Supply Chain	ISTA 3K
Packaged-Products for Shipment in Known Distribution Channels Ships in Own Container (SIOC) for Amazon.com Distribution	ISTA 4AB ISTA 6 – Amazon.com – SIOC
System Shipment e-Commerce Fulfillment for Parcel Delivery Shipment	ISTA 6 – Amazon.com – Overboxing
FedEx Procedures for Testing Packaged Products Weighing Up to 150 lbs	ISTA 6 – FedEX A
FedEx Procedures for Testing Packaged Products Weighing More Than 150 lbs	ISTA 6 – FedEX B
Packaged-Products for Sam’s Club Distribution System Shipment	ISTA 6 – SAMSClub
Temperature Test for Transport Packaging	ISTA 7D
Determining Compressive Resistance of Shipping Containers, Components, and Unit Loads	ASTM D642
Standard Test Method for Impact Testing for Shipping Containers and Systems	ASTM D880
Vibration Testing of Shipping Containers	ASTM D999
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
Detecting Gross Leaks in Packaging by Internal Pressurization (Bubble Test)	ASTM F2096
Detecting Seal Leaks in Porous Medical Packaging by Dye Penetration	ASTM F1929

**Test Method(s):**

<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>.

