

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

Accredited Laboratory No. 23

**Legal Name of Accredited Laboratory:**    **FPInnovations**

Location Name or Operating as (if applicable):    Centre de foresterie des Laurentides (CFL)

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<b>SCC File Number:</b>	15013
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Chemical/Physical Mechanical/Physical
<b>Initial Accreditation:</b>	1985-10-08
<b>Most Recent Accreditation:</b>	2021-08-13
<b>Accreditation Valid to:</b>	2025-10-08

*Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.*

Note: This scope of accreditation is also available in French as a separately-issued document.

The accredited tests are also performed at: Université de Laval (ULaval), Pavillon Gene H. Kruger 2425 rue de la Terrasse, Québec (QC) G1V 0A6.

**ELASTOMERS AND PROTECTIVE AND COATINGS**

**Adhesives (Organic Resins) and Glues:**

**Glues (Including Adhesives and Binders)**

ASTM D1583	Standard Test Method for Hydrogen Ion Concentration of Dry Adhesive Films
ASTM D2559	Standard Specification for Adhesives for Bonded Structural Wood Products for Use Under Exterior - Exposure Conditions
ASTM D4688	Standard Test Method for Evaluating Structural Adhesives for Finger Jointing Lumber
ASTM D5266	Standard Practice for Estimating the Percentage of Wood Failure in Adhesive Bonded Joints
ASTM D5572	Standard Specification for Adhesives Used for Finger Joints in Non-structural Lumber Products
ASTM D7247	Standard Test Method for Evaluating the Shear Strength of Adhesives Bonds in Laminated Wood Products at Elevated Temperatures
ASTM D905	Test Method for Strength Properties of Adhesive Bonds in Shear by Compression Loading
CSA O112.10	Evaluation of adhesives for structural wood products (limited moisture exposure) Except for: Anti-fungal properties
CSA O112.9	Evaluation of adhesives for structural wood products (exterior exposure) Except for: Anti-fungal properties
CSA O112-M series	Standards for Wood Adhesives Except for: Animal Glues for Wood and Casein Glues for Wood
CSA O437.2	Evaluation of Binder Systems for OSB and Waferboard Except for: Resistance to Fungal Growth

**METALLIC ORES AND PRODUCTS**

**Articles of Metal:**

ASTM D1761	Standard Test Methods for Mechanical Fasteners in Wood
ASTM E8 / E8M	Standard Test Methods for Tension Testing of Metallic Materials Only for: Ultimate Tensile Strength
CSA S347	Method of test for evaluation of truss plates used in lumber joints

## **WOOD PRODUCTS**

### **Construction Materials (including for Furniture):**

#### **(Laminated Wood)**

AITC Test Methods	American Institute of Timber Construction – Test Methods for Structural Glued Laminated Timber Only for: Shear Test (T107), Cyclic Delamination Test (T110), Modulus of Elasticity for E-Rated Lumber by Static Loading (T116), Bending Proof Loading for End Joints (T118), Full Size End Joint Tension Test (T119), Tension Proof Loading for End Joints (T121)
ANSI 117	Standard Specifications for Structural Glued Laminated Timber of Softwood Species Only for: Reference Design Values
ANSI A190.1	Standard Wood Products-Structural Glued Laminated Timber Only for: Daily Quality control related to Off-line Tests
ASTM D3737	Standard Practice for Establishing Allowable Properties Glued Laminated Timber (Glulam) Only for: Test Methods
CSA O122	Structural glued-laminated timber
CSA O177	Qualification code for manufacturers of structural glued-laminated timber Only for: Qualification tests

#### **(Solid Wood)**

ASTM D143	Methods of Testing for Small Clear Specimens of Timber Except for: Impact Bending
ASTM D198	Standard Test Methods of Static Tests of Lumber in Structural Sizes
ASTM D2555	Standard Practice for Establishing Clear Wood Strength Values

#### **(Plywood)**

APA PS1	Structural Plywood Except for: Test for performance under uniform loads
ASTM D3043	Standard Test Methods for Structural Panels in Flexure Except for: Method B and Method C
CSA O121	Douglas Fir Plywood
CSA O151	Canadian Softwood Plywood
CSA O153	Poplar Plywood

#### **(Formaldehyde Emissions)**

ASTM D5582	Standard Test Method for Determining Formaldehyde Level from Wood Products Using a Dessicator
ASTM D6007	Standard Test Method for Determining Formaldehyde Concentration in Air from Wood Products Using a Small Scale Chamber

ASTM E1333	Standard Test Method for Determining Formaldehyde Concentrations in Air and Emission Rates from Wood Products using a Large Chamber
BIFMA M7.1	Standard Test Method For Determining VOC Emissions From Office Furniture Systems, Components and Seating
ISO 12460-5	Wood-based panels — Determination of formaldehyde release — Part 5: Extraction method (called the perforator method)

#### Panel Products (Except Plywood)

ANSI A135.6	Engineered Wood Siding Except for: Weatherability of primed substrate
ANSI A208.1	Particleboard
ANSI A208.2	Medium Density Fibreboard (MDF) For Interior Applications
ANSI/HPVA HP-1	For Hardwood and Decorative Plywood
APA PRP-108	Performance Standards and Qualification Policy for Structural-Use Panels Except for: Test method S-2 Sheathing and Sturd-I-Floor Performance Under Uniform Loads, and Test method S-10 Siding Performance Under Uniform Loads
APA PS 2	Performance Standard for Wood-Based Structural-Use Panels Except for: Uniform load test, Adhesive mold test, Adhesive bacteria Test
ASTM C209	Standard Test Methods for Cellulosic Fiber Insulating Board Except for: Flame Spread Index
ASTM D1037	Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials Except for: Compression parallel to surface, Abrasion Resistance by the US Navy Wear Tester
ASTM D2718	Standard Test Methods for Structural Panels in Planar Shear (Shear Rolling)
ASTM D5651	Standard Test Method for Surface Bond Strength of Wood-Base Fiber and Particle Panel Materials
ASTM E96/E96M	Standards Test Methods for Water Vapor Transmission of Materials
CAN/CGSB 11.3	Hardboard
CAN/CGSB 11.5	Hardboard, Precoated, Factory Finished, for Exterior Cladding Except for: durability in 7.1.2
CAN/ULC-S706	Standard for Wood Fiber Thermal Insulation for Buildings Except for: Air Permeance, Offset, and Surface burning characteristics
CAN3-O437.0	Standard for on OSB and Waferboard
CAN3-O437.1	Test Methods for OSB and Waferboard
CSA 0325	Construction Sheathing

#### Wood Products, General

ASTM C518	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
ASTM D2394	Standard Test Method for Simulated Service Testing of Wood and Wood-Base Finish Flooring

ASTM D2395	Standard Test Methods for Density and Specific Gravity (Relative Gravity) of Wood and Wood-Based Materials
ASTM D2915	Standard Practice for Sampling and Data-Analysis for Structural Lumber and Wood-Based Products
ASTM D4442	Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials Only for: Method B – Secondary Oven-Drying Method
ASTM D4761	Standard Test Methods for Mechanical Properties of Lumber and Wood-Base Structural Material
ASTM D5652	Standard Test Methods for Single-Bolt Connections in Wood and Wood-Based Products
ASTM D5764	Standard Test Method for Evaluating Dowel-Bearing Strength of Wood and Wood-Based Products
ASTM D6874	Standard Test Methods for Nondestructive Evaluation of Wood-Based Flexural Members Using Transverse Vibration
ASTM D7147	Standard Specification for Testing and Establishing Allowable Loads of Joist Hangers
ASTM D7469	Standard Test Methods for End-Joints in Structural Wood Products Except for: Proofloading (In-Line) section
ASTM E2126	Standard Test Methods for Cyclic (Reversed) Load Test for Shear Resistance of Vertical Elements of the Lateral Force Resisting Systems for Buildings
ASTM E564	Standard Practice for Method of Static Load Test for Shear Resistance of Framed Walls for Buildings
ASTM E661	Standard Test Methods for Performance of Wood, and Wood-Based Floors and Roof Sheathing Under Concentrated Static and Impact Loads Except for: Impact Load
ASTM E72	Standard Test Methods of Conducting Strength Tests of Panels for Building Construction Except for: Concentrated load, Testing Floors section, and Testing Roofs section
EN 408	Timber Structures, Structural Timber and Glued Laminated Timber. Determination of some Physical and Mechanical Properties

**(Engineered Wood Products)**

APA PRI-400	Performance Standard for APA EWS I-Joists (Limit States Design)
APA PRI-401	Performance Standards for APA EWS Rim Boards
ASTM D5055	Standard Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists
ASTM D5266	Standard Practice for Estimating Percentage of Wood Failure in Adhesives Bonded Joints
ASTM D5456	Standard Specification for Evaluation of Structural Composite Lumber Products
NLGA SPS 1	Special Products Standard for Fingerjoined Structural Lumber Except for: Joint Evaluation Procedures

NLGA SPS 2	Special Products Standard for Machine Stress Grated Lumber Except for: Property Evaluation Procedures
NLGA SPS 3	Special Products Standard for Fingerjoined "Vertical Stud Use Only" Lumber Except for: Joint Evaluation Procedures
NLGA SPS 4	Special Products Standard for Fingerjoined - Machine Graded Lumber Except for: Property Evaluation Procedures
NLGA SPS 5	Special Products Standard for Face-Glued Lumber - Vertical Use Only Except for: Face-Glued Lumber Property Evaluation Procedures
NLGA SPS 6	Special Products Standard for Structural Face-Glued Lumber Except for: Face-Glued Lumber Property Evaluation Procedures

Number of Scope Listings: 77

**Notes**

**AITC:** American Institute of Timber Construction

**ANSI:** American National Standards Institute

**APA:** The Engineered Wood Association

**ASTM:** ASTM International (formerly American Society for Testing and Materials)

**BIFMA:** BIFMA International

**CGSB:** Canadian Government Standard Board

**CSA:** Canadian Standards Association

**EN:** European Norm

**NLGA:** National Lumber Grades Authority

**PS:** Product Standard, U.S. Office of Engineering Standards Services, National Institute of Standards and Technology

**ULC:** Underwriters' Laboratories of Canada

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at [www.scc.ca](http://www.scc.ca).

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