



CERTIFICATE OF ACCREDITATION

This is to attest that

TIMBER PRODUCTS INSPECTION, INC.

OFFICE: 100 KEDRON DRIVE, PEACHTREE CITY, GEORGIA 30269, U.S.A.

LABORATORY: 1641 SIGMAN ROAD, CONYERS, GEORGIA 30012, U.S.A.

Testing Laboratory TL-295

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date March 13, 2023



A handwritten signature in black ink, reading "Raj Nathan".

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

TIMBER PRODUCTS INSPECTION, INC.

www.tpinspection.com

Contact Name Patrick C. Edwards, P.E.

Contact Phone +1-770-922-8000

Accredited to ISO/IEC 17025:2017

Effective Date March 13, 2023

Physical	
AS/NZS 2098.0	Methods of test for veneer and plywood - general introduction and list of methods
AS/NZS 2098.1	Methods of test for veneer and plywood - moisture content of veneer and plywood
AS/NZS 2098.4	Methods of test for veneer and plywood - measurement of dimensions and shape for sheets of veneer and plywood
ASTM D143	Standard test methods for small clear specimens of timber (except sections 10, 11 and 15)
ASTM D1037	Standard test methods for evaluating properties of wood-base fiber and particle panel materials
ASTM D1102	Standard test method for ash in wood
ASTM D1857	Standard test method for fusibility of coal and coke ash
ASTM D2395	Standard test methods for density and specific gravity (relative density) of wood and wood-based materials
ASTM D3201	Standard test method for hygroscopic properties of fire-retardant wood and wood-based products
ASTM D4208	Standard test method for total chlorine in coal by the oxygen bomb combustion/ion selective electrode method
ASTM D4442	Standard test methods for direct moisture content measurement of wood and wood-based materials
ASTM D4933	Standard guide for moisture conditioning of wood and wood-based materials
ASTM D5516	Standard test method for evaluating the flexural properties of fire-retardant treated softwood plywood exposed to elevated temperatures
ASTM D5664	Standard test method for evaluating the effects of fire-retardant treatments and elevated temperatures on strength properties of fire-retardant treated lumber
ASTM D6815	Standard specification for evaluation of duration of load and creep effects of wood and wood-based products
ASTM E72	Standard test methods of conducting strength tests of panels for building construction
ASTM E711	Standard test method for gross calorific value of refuse – derived fuel by the bomb calorimeter
ASTM E871	Standard test method for moisture analysis of particulate wood fuels

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ASTM E873	Standard test method for bulk density of densified particulate biomass fuels
CSA O121	Douglas fir plywood
CSA O325	Construction sheathing
EN 14774-1	Solid biofuels – determination of moisture content. oven dry method. total moisture. reference method
EN 14774-3	Solid biofuels – determination of moisture content. oven dry method. moisture in general analysis sample
EN 14775	Solid biofuels – determination of ash content
EN 14780	Solid biofuels – sample preparation
EN 14918	Solid biofuels – determination of calorific value
EN 15103	Solid biofuels – determination of bulk density (except section 5.1.2 large container)
EN 15104	Solid biofuels – determination of total content of carbon, hydrogen and nitrogen – instrumental methods
EN 15148	Solid biofuels – determination of the content of volatile matter
EN 15149-2	Solid biofuels – determination of particle size distribution. vibrating screen method using sieve apertures of 3.15 mm and below
EN 15210-1	Solid biofuels – determination of mechanical durability of pellets and briquettes – part 1: pellets
EN 15289	Solid biofuels – determination of total content of sulfur and chlorine
EN 15290	Solid biofuels – determination of major elements – Al, Ca, Fe, Mg, P, K, Si, Na and Ti
EN 15297	Solid biofuels – determination of minor elements – As, Cd, Co, Cr, Cu, Hg, Mn, Mo, Ni, Pb, Sb, V and Zn
EN 16126	Solid biofuels – determination of particle size distribution of disintegrated pellets
EN 16127	Solid biofuels – determination of length and diameter of pellets
ICC-ES AC269.1	Proprietary sheathing attached to wood light-frame wall construction used as braced wall panels under the IRC (Only Test methods in Sections 4.1.1 and 4.1.2)
ISO 540	Hard coal and coke. determination of ash fusibility
ISO 16948	Solid biofuels – determination of total content of carbon, hydrogen and nitrogen
ISO 16967	Solid biofuels – determination of major elements – Al, Ca, Fe, Mg, P, K, Si, Na and Ti
ISO 16968	Solid biofuels – determination of minor elements
ISO 16994	Solid biofuels – determination of total content of sulphur and chlorine
ISO 17827-2	Solid biofuels – determination of particle size distribution for uncompressed fuels. vibrating screen method using sieves with aperture of 3.15 mm and below

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ISO 17828	Solid biofuels – determination of bulk density (except section 5.1.2 large container)
ISO 17829	Determination of length and diameter of pellets
ISO 17830	Solid biofuels – particle size distribution of disintegrated pellets
ISO 17831-1	Solid biofuels – determination of mechanical durability of pellets and briquettes. (part 1: pellets)
ISO 18122	Solid biofuels – determination of ash content
ISO 18123	Solid biofuels – determination of the content of volatile matter
ISO 18125	Solid Biofuels - Determination of Calorific Value
ISO 18134-1	Solid biofuels – determination of moisture content – oven dry method – total moisture – reference method
ISO 18134-3	Solid biofuels – determination of moisture content – oven dry method – moisture in general analysis sample
ISO 18846	Solid biofuels – determination of fines content in quantities of pellets
PFI standard	PFI standard specification for residential/commercial densified fuel (except annex C.1 speed screener)
Structural	
ANSI/ASAE EP559.1	Design requirements and bending properties for mechanically-laminated wood assemblies
AS/NZS 2098.2	Methods of test for veneer and plywood - bond quality of plywood (chisel test)
AS/NZS 2098.3	Methods of test for veneer and plywood - bond quality and strength of scarf joints in plywood
AS/NZS 2269.0	Plywood - structural - specifications
AS/NZS 2269.1	Plywood - structural - determination of structural properties - test methods
AS/NZS 2269.2	Plywood - structural - determination of structural properties - evaluation methods
AS/NZS 2754.1	Adhesives for timber and timber products - adhesives for manufacture of plywood and laminated veneer lumber (LVL)
AS/NZS 4063.2	Characterization of structural timber - determination of characteristic values
ANSI A190.1	Standard for Wood Products — Structural Glued Laminated Timber
ANSI 405	Standard for Adhesives for Use in Structural Glued Laminated Timber
ASTM C297	Standard test method for flatwise tensile strength of sandwich constructions
ASTM D198	Standard test methods of static tests of lumber in structural sizes (except sections 12-19, 20-27 and 36-43)
ASTM D905	Standard test method for strength properties of adhesive bonds in shear by compression loading
ASTM D906	Standard test method for strength properties of adhesives in plywood type construction in shear by tension loading

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ASTM D1002	Standard test method for apparent shear strength of single-lap-joint adhesively bonded metal specimens by tension loading (metal-to-metal)
ASTM D1101	Standard test methods for integrity of adhesive joints in structural laminated wood products for exterior use
ASTM D1151	Standard practice for effect of moisture and temperature on adhesive bonds
ASTM D1183	Standard practices for resistance of adhesives to cyclic laboratory aging conditions
ASTM D2294	Standard test method for creep properties of adhesives in shear by tension loading (metal-to-metal)
ASTM D2339	Standard test method for strength properties of adhesives in two-ply wood construction in shear by tension loading
ASTM D2559	Standard specification for adhesives for bonded structural wood products for use under exterior exposure conditions
ASTM D3043	Standard test methods for structural panels in flexure (except method B)
ASTM D3500	Standard test methods for structural panels in tension (method A only)
ASTM D3535	Standard test method for resistance to creep under static loading for structural wood laminating adhesives used under exterior exposure conditions
ASTM D4688	Standard test method for evaluating structural adhesives for finger jointing lumber
ASTM D4761	Standard test methods for mechanical properties of lumber and wood-base structural material
ASTM D5055	Standard Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists (except Section 5.1)
ASTM D5266	Standard practice for estimating the percentage of wood failure in adhesive bonded joints
ASTM D5456	Standard specification for evaluation of structural composite lumber products
ASTM D5572	Standard specification for adhesives used for finger joints in nonstructural lumber products
ASTM D7247	Standard test method for evaluating the shear strength of adhesive bonds in laminated wood products at elevated temperatures
ASTM D7446	Standard specification for structural insulated panel (SIP) adhesives for laminating oriented strand board (OSB) to rigid cellular polystyrene thermal insulation core materials
ASTM D7469	Standard test methods for end-joints in structural wood products
APA/WIJMA AC1000	Standard test method for evaluating the shear strength of adhesive bonds on glued wood products at elevated temperatures
CSA O112.6	Phenol and phenol-resorcinol resin adhesives for wood (hi-temp curing)
CSA O112.9	Evaluation of adhesives for structural wood products (exterior exposure)
CSA O112.10	Evaluation of adhesives for structural products (limited moisture exposure)

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CSA O151	Canadian softwood plywood
CSA O177	Qualification code for manufacturers of structural glued-laminated timber (A.2 small-scale flame test)
United States Department of Commerce Product Standard PS-1	Structural plywood (Sections 5.7, 5.8.6, 5.8.7, 5.9, 5.10, 5.11, and 6.0)
United States Department of Commerce Product Standard PS-2	Performance standard for wood-based structural-use panels (Sections 5.3, 5.4, 6.0, and 7.0)
Chemical	
AS/NZS 1604.3	Specification for preservative treatment – part 3: plywood
AS/NZS 2098.11	Methods of test for veneer and plywood - determination of formaldehyde emissions for plywood
ASTM D1583	Standard test method for hydrogen ion concentration of dry adhesives films
ASTM D3345**	Standard test method for laboratory evaluation of wood and other cellulosic materials for resistance to termites
AWPA A9	Standard method for analysis of treated wood and treating solutions by X-ray spectroscopy
AWPA A28	Standard method for determination of propiconazole and tebuconazole in waterborn formulations and in treating solutions by HPLC
AWPA A31	Standard methods for the analysis of solutions and wood for azoles by gas chromatography (GC)
AWPA A36	Standard for determination of quaternary ammonium compounds in wood by potentiometric back-titration using sodium lauryl sulfate and hyamine 1622
AWPA A40	Standard method for determination of boron trioxide in treating solutions and treated wood by potentiometric titration with sodium hydroxide
AWPA A43	Standard method for analysis of Imidacloprid in wood and waterborne formulations
AWPA E1**	Laboratory methods for evaluating the termite resistance of wood-based materials: choice and no-choice tests
AWPA E7*	Standard field test for evaluation of wood preservatives to be used in ground contact (UC4A, UC4B, UC4C); stake test
AWPA E9*	Standard field test for the evaluation of wood preservatives to be used above ground (UC3A and UC3B); I-joint test
AWPA E10**	Laboratory method for evaluating the decay resistance of wood-based materials against pure basidiomycete cultures: soil/block test
AWPA E11	Standard method for accelerated evaluation of preservative leaching
AWPA E12**	Standard method of determining corrosion of metal in contact with treated wood
AWPA E16*	Standard field test for evaluation of wood preservatives to be used above ground (UC3B); horizontal lap-joint test

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AWPA E17	Standard method for determining corrosion rates of metals in contact with treating solutions
AWPA E18*	Standard field test for evaluation of wood preservatives to be used above ground (UC3B); ground proximity decay test
AWPA E20	Standard method of determining the depletion of wood preservatives in soil contact
AWPA E21*	Standard field test method for the evaluation of wood preservatives to be used for interior applications (UC1 and UC2); full-size commodity termite test
AWPA E22	Laboratory method for rapidly evaluating the decay resistance of wood-based materials against pure basidiomycete cultures using compression strength: soil/water test
AWPA E23	Laboratory method for rapidly evaluating the decay resistance of wood-based materials in ground contact using static bending: soil jar test
AWPA E24	Laboratory method for evaluating the mold resistance of wood-based materials: mold chamber test
AWPA E25*	Standard field test for evaluation of wood preservatives to be used above ground (UC3B): decking test
AWPA E26*	Standard Field Test for Evaluation of Wood Preservatives to be Used for Interior Applications (Uc1 And Uc2); Ground Proximity Termite Test
AWPA E27*	Standard field test for evaluation of wood preservatives to be used above ground (UC3B); accelerated horizontal lap joint test
AWPA E28*	Standard field test for serviceability of decking
CEN/TS 15370-1	Solid biofuels – Method for the determination of ash melting behavior – Part 1: Characteristic temperatures method
ICC ES AC326	Proprietary wood preservative systems – common requirements for treatment process, test methods and performance (test methods referenced in section 4.0)
ICC ES AC380	Termite Physical Barrier system (test methods referenced in sections 4.1, 4.2, and 4.3)
ISO 21404	Solid biofuels – Determination of ash melting behavior
WDMA TM1	Soil block test – standard method for testing the preservative property of wood preservatives by using wood specimens uniformly impregnated
WDMA TM2	Test method to determine the short-term anti-swell effectiveness of treating systems
WDMA TM 13	Test method for preparing retention and penetration test samples

* indicates the test is conducted in the field

** indicates the test is conducted at an offsite laboratory

APA/WIJMA – The Engineered Wood Association/Wood I-Joist Manufacturers Association

AS/NZS – Australian Standard/New Zealand Standard

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ASTM – American Society for Testing and Materials

AWPA – American Wood Protection Association

CEN TS – European Committee for Standardization – Technical Standard

CSA – Canadian Standards Association

EN – European Standards

ICC ES – International Code Council Evaluation Service

ISO – International Standards Organization

PFI – Pellet Fuels Institute

US DOC – United States Department of Commerce

WDMA - Window and Door Manufacturers Association