INTERNATIONAL ACCREDITATION SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

TIMBER PRODUCTS INSPECTION, INC.

1641 SIGMAN ROAD
CONYERS, GEORGIA 30012

Testing Laboratory TL-295

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories,* and has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation maintained on the IAS website (www.iasonline.org).

This certificate is valid up to SEPTEMBER 1, 2020.

This accreditation certificate supersedes any IAS accreditation bearing an earlier effective date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See www.iasonline.org for current accreditation information, or contact IAS at 562-364-8201.

IAS INTERNATIONAL ACCREDITATION SERVICE®

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Raj Nathan
President

18-15965

SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-295
Company Name	Timber Products Inspection, Inc.
Address	1641 Sigman Road Conyers, Georgia 30012
Contact Name	Patrick C. Edwards, P.E.
Telephone	+1 (770) 922-8000
Effective Date of Scope	April 27, 2018
Accreditation Standard	ISO/IEC 17025:2005

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
ASTM E873	Standard test method for bulk density of densified particulate biomass fuels
CSA 0121-08	Douglas fir plywood
CSA 0325-12	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
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
EN 15289	Solid biofuels. determination of total content of sulfur and chlorine
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 method in Section 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 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
ISO 17828	Solid biofuels. determination of bulk density
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. pellets
ISO 18122	Solid biofuels. determination of ash content
ISO 18123	Solid biofuels. determination of the content of volatile matter
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 specification for residential/commercial densified fuel

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 C273	Standard test method for shear properties of sandwich core materials
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
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 (Excluding 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 polystryene 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 0112.6	Phenol and phenol-resorcinol resin adhesives for wood (hi-temp curing)
CSA 0112.9	Evaluation of adhesives for structural wood products (exterior exposure)
CSA 151-09	Canadian softwood plywood
CSA 0177	Qualification code for manufacturers of structural glued-laminated timber (A.2 small-scale flame test)
US DOC Product Standard PS-1	Construction and industrial plywood
US DOC Product Standard PS-2	Performance standard for wood-based structural-use panels

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 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); l-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
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
ICC ES AC380	Test methods referenced only in Sections 4.1, 4.2 and 4.3 of Acceptance Criteria for Termite Physical Barrier system
ICC ES AC326	Proprietary wood preservative systems – common requirements for treatment process, test methods and performance (test methods referenced in section 4.0)
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

** indicates that the test is conducted in the field*

AS/NZS – Australian Standard/New Zealand Standard

US DOC – United States Department of Commerce

PFI – Pellet Fuels Institute

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

AWPA – American Wood Protection Association

WDMA - Window and Door Manufacturers Association