

Tel: 86-23-63525678

### Shanghai Hongjun Science & Technology Co., Ltd.

Family member of ICTT Corp Lab: Add: B-22-2 of Gangtian High Rise Building, 2nd Zhongshan Road, Yuzhong District, Chongqing, China Fax: 86-23-63530958 Website: www.icttglobal.org



Issue Date: Jan. 14th,2022



Report No.: HJ-QT-17464

# **Test Report**

Applicant	SHANDONG FUSHI WOOD CO.,LTD.					
Test Category	Entrusted Test					
Sample Type	Structural Laminated Veneer Lumber					
Test Standard	AS/NZS 4357.0					



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### **Precautions**

- This test report is invalid without authorized approved signature, signature of verifier and approver.
- This test report is invalid if being supplemented, deleted or altered.
- 3. Unless otherwise stated, the observations and test results in this report are relevant only to the sample(s) tested.
- 4. Objections to the test report must be submitted to Hongjun within 15 days of report received date. This report does not imply that the material, product, or service is or have ever been under Hongjun or ICTT certification program.
- 5. The test applicant is responsible for authenticity of sample information which not subject to verification of Hongjun.
- The applicable decision rules of this test are: IEC Guide 115:2007 Procedure 2 Accuracy method, do not subject to measurement uncertainty.



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### 1. Sample Description<sup>1</sup>

Samples for type test in this report were sampled and shipped to test laboratory by applicant on Jan 4th, 2022, packed well and kept in good conditions. Samples were identified as Structural laminated veneer lumber by applicant. The cross-sectional dimension of laminated veneer lumber is 95mm×35mm, 95mm×45mm and 300mm×45mm, respectively. Laminated veneer lumber are made of larch and radiata pine. The dimension specification and quantity of samples obtained are shown in the Table below:

Sampling Plan							
Test Item		Specimen Specification (Length×Width×Thickness, mm)	Sample Size				
	Ma	nufacture					
Don din a Duan aut		150×65×65	5				
Bonding Property		150×65×65	5				
Structural Properties							
		1800×95×35	5				
Bending Strength and Modulus Of Elasticity	On edge	1800×95×45	5				
Of Elasticity		6000×300×45	5				
/	On flat	700×90×35	5				
Bending Strength and Modulus Of Elasticity		900×90×45	5				
		3000×300×45	5				
		3000×95×35	5				
Compression Strength Parallel to Grain	Axial	3000×95×45	5				
		3000×300×45	5				
Tension Strength Parallel to Grain		3000×95×35	5				
	Axial	3000×95×45	5				
	1	3000×300×45	5				

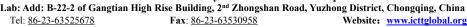
#### **Notes:**

1. Sample information is provided by the applicant.



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#### 2. Adhesive Information<sup>2</sup>

The adhesive used is phenolic formaldehyde resin. Adhesive information is listed in the table below:

Adhesive Name	Туре	Manufacturer	
Phenolic formaldehyde resin adhesive	WG62	Jinyu Weiguan (Cangzhou) Chemical Co., LTD	

#### **Notes:**

2. Adhesive information is provided by the applicant.

#### **Referenced Standards**

- AS/NZS 2098.1:2006 Methods of test for veneer and plywood-Method 1: Moisture content of veneer and plywood
- AS/NZS 2098.2:2012 Methods of test for veneer and plywood-Method 2: Bond quality of plywood (chisel test)
- AS/NZS 2754.1:2016 Adhesives for timber and timber products-Part 1: Adhesives for manufacture of plywood and laminated veneer lumber (LVL)
- AS/NZS 4063.1:2010 Characterization of structural timber-Part 1: Test methods
- AS/NZS 4357.0:2005 Structural laminated veneer lumber-Part 0: Specifications

Unless specified, all test standards in this report are the version cited by AS/NZS 4357.0.

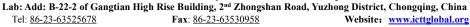
#### **Test Description/ Environment**

During the test, the relative humidity and temperature of test environment are  $(65 \pm 5)\%$  and  $(20 \pm 5)\%$ , respectively.



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5. Test Results								
	Т	est Ite	m		Units	s	Results	Standard Requirement
Bonding — Between Plies	00×24	_	Steam	Average	-		7.3	Bond quality in
	90×35		Condition	Minimum	-		6.0	any single glueline
	=		Steam - Condition	Average	-		6.0	of not less than 2
				Minimum				and an average of
							7.8	not less than 5
			STRUC'	TURE PROPE	RTIES			
•	<b>Dimension Specification</b>		Test Item			Place Direction		Average Value
(mm)								(MPa)
				Strength		C	n edge	67.1
90×35		1	Bending Modulus					14603
			Bending Strength			On flat		72.8
			Bending Modulus					13333
		Cor	Compression Strength Parallel to Grain			Axial	52.4	
		Tension Strength Parallel to Grain			Axiai		58.4	
1			Bending	g Strength				76.7
90×45			Bending	g Modulus		C	n edge	16515
			Bending	g Strength		On flat		67.4
			Bending	, Modulus		(	Jii Iiat	12654
		Cor	Compression Strength Parallel to Grain				A win1	57.1
		Т	Tension Strength Parallel to Grain			Axial		54.2
7			Bending Strength			On adga		67.4
300×45		Bending Modulus			On edge		13502	
	N	Bending Strength Bending Modulus			On flat		69.4	
							12527	
		Compression Strength Parallel to Grain			Grain	A i 1		51.8
		<u>_</u>				Axial		

#### **Notes:**

3. The results were adjusted to 12% moisture content in accordance with ISO 13061:2014

Reporter: Xin Verifier: Verifier:

Tension Strength Parallel to Grain

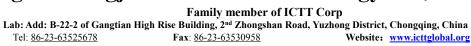


56.9

Axial



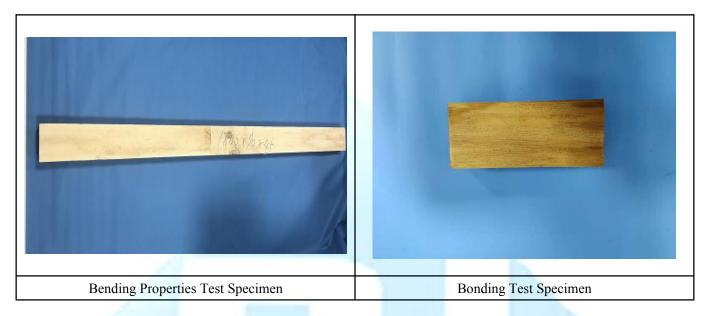
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### Appendix I – Typical Sample Photos



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