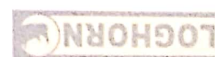
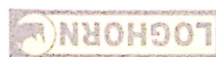
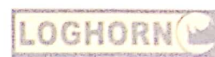
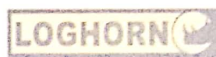


FACTORY TEST REPORT OF MARINE PLYWOOD
AS PER IS 710-2010

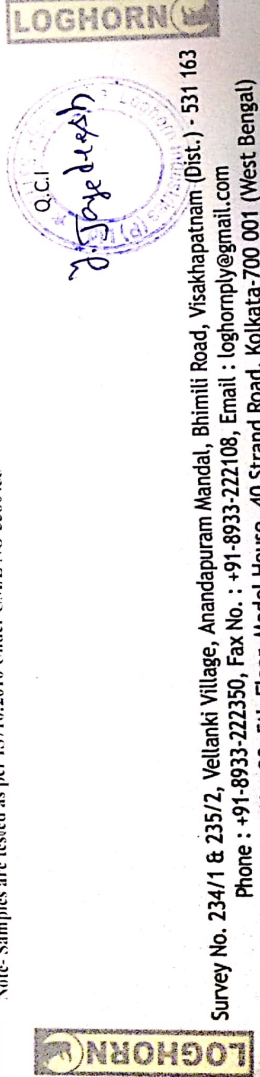
Batch No - DM/23
D. O. M - 18/01/2020
Size - 2440 x 1220 x 19 MM
Brand:- DONYI


Sl. No	Clause No	Tests	Specified requirements	Method of test	Result	
1	6	DIMENSIONAL EQUIPMENTS				
		i) Length, mm	2440	IS 710	2443	
		ii) Width, mm	1220		1223	
		iii) Thickness, mm	± 5%		19.08	
		iv) Edge straightness	0.2% Max	Annex B of IS 710	Within limit	
		v) Squareness	0.2% Max		Within limit	
2	7	Workmanship and Finish	Satisfactory	IS 710	Satisfactory	
3	9.1.1	Moisture Contents, Percent	5 to 15	IS 1734 (Pr-1)	9.36%	
4	9.1.2	Glue Adhesion in Dry State				
			9.1.2.1	Glue Shear Strength	Avg. failing load shall not be less than 1350 N and no individual values shall be less than 1100 N	IS 1734 (Pr-4)
5	9.1.2.2	Adhesion of plies				
			9.1.2.2	Adhesion of plies	The veneer shall offer appreciable resistance to forcible separation & the fractured samples shall show some adherent fibers distributed more or less uniformly	IS 1734 (Pr-5)
5	9.1.3	Water Resistance Test (After 72 h boiling)				
			9.1.3.1.1	Glue Shear Strength	Avg. failing load shall not be less than 1000 N and no individual value shall be less than 800 N	IS 1734 (Pr-4)
6	9.1.3.1.2	Adhesion of plies				
			9.1.3.1.2	Adhesion of plies	The veneer shall offer appreciable resistance to forcible separation & the fractured samples shall show some adherent fibers distributed more or less uniformly	IS 1734 (Pr-5)
6	9.1.4	Kensile Strength				
			a) Parallel to Grain, N/mm ²	12.0 Min	IS 1734 (Pr-9)	56.29
			b) Right angle to Grain, N/mm ²	25.0 Min		42.36
		c) The sum of a & b, N/mm ²	84.5 Min		98.65	



SL.No	Clause No	Tests	Specified requirements	Method of test	Result
7	9.1.5	Mycological Test	The test piece shall show no appreciable sign of separation at the edges of the veneers & shall comply with the requirements as follows:	IS 1734 (Pt-7)	Satisfactory
	9.1.3.1	Glue Shear Strength	Avg. failing load not be less than 1000 N and no individual value shall be less than 800 N	IS 1734 (Pt-4)	Avg 1096 N Min. Ind 999 N
	9.1.3.1.2	Adhesion of plies	The veneer shall offer appreciable resistance to forcible separation & the fractured samples shall show some adherent fibers distributed more or less uniformly	IS 1734 (Pt-5)	Excellent
8	9.1.6	Static Bending Strength			
		a) Modulus elasticity N/mm ² , parallel to grain	i) 7500 Average Min ii) 6700 Min Individual Min		7936 7902
		b) Modulus of rupture, N /mm ² , parallel to grain	i) 50 Average Min ii) 45 Min Individual Min	IS 1734 (Pt-11)	62.36 61.59
		c) Modulus of elasticity, N/mm ² , perpendicular to grain	i) 4000 Average Min ii) 3600 Min Individual Min		4256 4105
		d) Modulus of rupture, N/mm ² , perpendicular to grain	i) 30 Average Min ii) 27 Min Individual Min		42.65 41.98
		West Bending Strength			
9	9.1.7	a) Modulus of elasticity, N/mm ² , parallel to grain	i) 3750 Average Min ii) 3100 Min Individual Min	IS1734(Pt-11)	3926 3851
		b) Modulus of rupture, N/mm ² , parallel to grain	i) 25 Average Min ii) 22 Min Individual Min		32.69 31.56
		c) Modulus of elasticity, N/mm ² , perpendicular to grain	i) 2000 Average Min ii) 1800 Min Individual Min		2015 2012
		d) Modulus of rupture, N/mm ² , perpendicular to grain	i) 15 Average Min ii) 13 Min Individual Min		19.21 18.52
10	9.1.8	RETENTION	12 Kg/m ³	IS 2753(Part1&2) IS 710	12.08

Note- Samples are tested as per IS710:2010 Under CML NO-3380455





 Q.C.I.