Laboratory Institute of Wood Science and Technology (IWST), Malleswaram, 18th

Cross, Bangalore, Karnataka

Accreditation Standard ISO/IEC 17025: 2005

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Validity 23.10.2018 to 22.10.2020 Last Amended on --

SI.	Product / Material	Specific Test	Test Method Specification	Range of Testing /
	of Test	Performed	against which tests are	Limits of Detection
İ			performed	

BIOLOGICAL TESTING

I.	BIOLOGICAL TEST	S ON OTHER MISCELL	ANEOUS TEST ITEMS	
1.	Wood and Wood Products	Wood identification (Hardwood and softwood)	IAWA Bulletin, 1989. IAWA (International Association of Wood Anatomists) list of microscopic features for hardwood identification, New Series, Vol. 10(3). IAWA Committee 2004, IAWA list of microscopic features for softwood identification, IAWA Journal, 25 (1):1-70. (SOP- 001, issue Date 01-05-2018 for identification of wood sample WA 1.0)	Qualitative (Visual examination, by magnifying lens (10x) and microscopy).

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CHEMICAL TESTING

I.	COSMETICS AND ESSENTIAL OIL			
1.	Sandalwood oil	Colour and appearance	IS 326 (Part 2): 1980 (Second Revision)	Qualitative
		Odour	IS 2284 (Part 2): 1988 (First Revision)	Qualitative
		Relative density at 27 °C	IS 326 (Part 3): 2006 (Third Revision) ISO 279: 1998	0.95 to 0.987
		Miscibility in 70% Ethanol	IS 326 (Part 6): 2005 (Third Revision) ISO 875: 1999	Qualitative
		Refractive Index at 27°C	IS 326 (Part 5): 2006 (Third Revision) ISO 280: 1998	1.00 to 1.90
		Detection of Cis alpha Santalol Cis beta santalol by GC	IS 329:2004 (Third Revision) Annexure-C	Qualitative

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MECHANICAL TESTING

I.	WOOD AND WOOD PRODUCTS			
1.	Wood and Wood	Moisture content	IS 1708 Part 1) (1986)	2 % to 150 %
<u> </u>	Products	Specific gravity	IS 1708 (Part 2): 1986	0.2 to 1.3
<u> </u>		Volumetric shrinkage	IS 1708 (Part 3): 1986	3 % to 25 %
		Static bending strength (Modulus of Rupture)	IS 1708 (Part 5): 1986	20 N/mm ² to 250 N/mm ²
		Compressive strength parallel to grain (MCS)	IS 1708 (Part 8): 1986	10 N/mm ² to 100 N/mm ²
		Compressive strength perpendicular to grain (MCS at 2.5 mm)	IS 1708 (Part 9): 1986	2 N/mm ² to 30 N/mm ²
		Hardness under static indentation	IS 1708 (Part 10): 1986	200 N to 20000 N
		Shear strength parallel to grain (MSS)	IS 1708 (Part 11): 1986	1 N/mm ² to 15 N/mm ²
		Tensile strength perpendicular to grain (MTS)	IS 1708 (Part 13): 1986	1 N/mm ² to 25 N/mm ²
		Nail and screw holding power	IS 1708 (Part 15): 1986	Nail: 100 N to10000 N Screw: 200N to 20000 N

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