

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Elutech Laboratory and Calibration Services

Plot No. 1, Bajrang Vihar-9, New Loha Mandi Road, Macheda,
Jaipur- 302013, Rajasthan, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2024/0059

Valid from: 12 June 2024

Valid until: 11 June 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Elutech Laboratory and Calibration Services

Plot No. 1, Bajrang Vihar-9, New Loha Mandi Road, Macheda,
Jaipur- 302013, Rajasthan, India

QAI/CIA/TL/2024/0059

Valid from: 12 June 2024

Valid until: 11 June 2026

Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
1.	Marine plywood/ Plywood for general purposes/ Plywood for concrete shuttering work/ Structural plywood	Retention of preservative (Boron)	IS 2753 (P-1): 1991 RA:2020
		Retention of preservative (Chromium)	IS 2753 (P-1): 1991 RA:2020
		Retention of preservative (Copper)	IS 2753 (P-1): 1991 RA:2020
		Retention of preservative (Fuel oil & creosote)	IS 2753 (P-1): 1991 RA:2020
		Retention of preservative (Zinc)	IS 2753 (P-1): 1991 RA:2020
		Retention of preservative (Arsenic)	IS 2753 (P-1): 1991 RA: 2020
2.	Medium density fibre boards / Particle boards / Prelaminated medium density fibre board / Prelaminated particle boards / wood products	Formaldehyde content	IS 13745: 2020
3.	Marine plywood (IS 710:2024)	Formaldehyde content	IS 13745: 2020
4.	Plywood for concrete shuttering work (IS 4990:2024)	Formaldehyde content	IS 13745: 2020
5.	Plywood for general purposes (IS303:2024)	Formaldehyde content	IS 13745: 2020
6.	Synthetic resin adhesives for plywood (Phenolic and aminoplastic) - specification (second revision)	Acidity and Alkalinity (pH value) IS 848 (Annex-B)	IS 848: 2006



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Elutech Laboratory and Calibration Services

Plot No. 1, Bajrang Vihar-9, New Loha Mandi Road, Macheda,
Jaipur- 302013, Rajasthan, India

QAI/CIA/TL/2024/0059

Valid from: 12 June 2024

Valid until: 11 June 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
1.	Block board (IS 1659:2004)	Length	IS 1659: 2004 RA:2019
		Width	IS 1659: 2004 RA:2019
		Thickness	IS 1659: 2004 RA:2019
		Edge Straightness	IS 1659: 2004 RA:2019
		Squareness	IS 1659: 2004 RA:2019
		Adhesion of plies	IS 1659: 2004 RA:2019
		Mycological test	IS 1659: 2004 RA:2019
		Water resistance test	IS 1659: 2004 RA:2019
		Modulus of rupture	IS 1659: 2004 RA:2019
		Modulus of elasticity	IS 1659: 2004 RA:2019
		Dimension change caused by humidity (length, thickness, planeness & delamination)	IS 1659: 2004 RA:2019
		Spot test	IS 1659: 2004 RA:2019
		Surface defect	IS 1659: 2004 RA:2019
2.	Fire retardant plywood (IS 5509:2021)	Length	IS 5509: 2021
		Width	IS 5509: 2021
		Thickness	IS 5509: 2021
		Edge straightness	IS 5509: 2021
		Squareness	IS 5509: 2021
		Flame penetration	IS 1734 (P-3): 1983 RA: 2018
		Flammability	IS 1734 (P-3): 1983 RA: 2018
		Rate of burning	IS 1734 (P-3): 1983 RA: 2018
		Moisture content	IS 1734 (P-1): 1983 RA: 2018
		Workmanship and finish	IS 5509: 2021
		Water resistance	IS 5509: 2021



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Elutech Laboratory and Calibration Services

Plot No. 1, Bajrang Vihar-9, New Loha Mandi Road, Macheda,
Jaipur- 302013, Rajasthan, India

QAI/CIA/TL/2024/0059

Valid from: 12 June 2024

Valid until: 11 June 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
		Static bending strength modulus of rupture (along and across the grains)	IS 5509: 2021
		Static bending strength modulus of elasticity (along & across the grains)	IS 5509: 2021
3.	Marine Plywood (IS 710:2024)	Length	IS 710: 2024
		Width	IS 710: 2024
		Thickness	IS 710: 2024
		Edge straightness	IS 710: 2024
		Squareness	IS 710: 2024
		Workmanship and finish	IS 710: 2024
		Moisture content	IS 1734 (P-1): 1983 RA:2018
		Adhesion of plies	IS 1734 (P-5): 1983 RA:2018
		Glue shear strength (dry state)	IS 1734 (P-4): 1983 RA:2018
		Mycological test	IS 1734 (P-7): 1983 RA:2018
		Mycological test (glue shear strength)	IS 1734 (P-4): 1983 RA:2018
		Static bending strength modulus of rupture (along and across the grains)	IS 1734 (P-11): 1983 RA:2018
Static bending strength modulus of elasticity (along and across the grains)	IS 1734 (P-11): 1983 RA:2018		



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Elutech Laboratory and Calibration Services

Plot No. 1, Bajrang Vihar-9, New Loha Mandi Road, Macheda,
Jaipur- 302013, Rajasthan, India

QAI/CIA/TL/2024/0059

Valid from: 12 June 2024

Valid until: 11 June 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
		Tensile strength parallel to surface - right angles to the grains	IS 1734 (P-9): 1983 RA:2018
		Tensile strength parallel to surface - parallel to the grains	IS 1734 (P-9): 1983 RA:2018
		Wet bending strength MOR (along & across the grain direction)	IS 1734 (P-4 & 6): 1983 RA:2018
		Wet bending strength MOE (along & across the grain direction)	IS 1734 (P-4 & 6): 1983 RA:2018
		Water resistance (glue shear strength)	IS 1734 (P-4 & 6): 1983 RA:2018
		Water resistance test (adhesion of plies)	IS 1734 (P-5 & 6): 1983 RA:2018
4.	Plywood for concrete shuttering work (IS 4990:2024)	Length	IS 4990: 2024
		Width	IS 4990: 2024
		Thickness	IS 4990: 2024
		Edge straightness	IS 4990: 2024
		Squareness	IS 4990: 2024
		Workmanship and finish	IS 4990: 2024
		Moisture content	IS 1734 (P-1): 1983 RA:2018
		Glue adhesion test (adhesion of plies)	IS 1734 (P-5): 1983 RA:2018



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Elutech Laboratory and Calibration Services

Plot No. 1, Bajrang Vihar-9, New Loha Mandi Road, Macheda,
Jaipur- 302013, Rajasthan, India

QAI/CIA/TL/2024/0059

Valid from: 12 June 2024

Valid until: 11 June 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
		Glue adhesion test (glue Shear Strength)	IS 1734 (P-4): 1983 RA:2018
		Mycological test (adhesion of plies)	IS 1734 (P-5 & 7): 1983 RA:2018
		Mycological test (glue shear strength)	IS 1734 (P-4 & 7): 1983 RA:2018
		Static bending strength modulus of rupture (along & across the grains)	IS 1734 (P-11): 1983 RA:2018
		Static bending strength modulus of elasticity (along & across the grains)	IS 1734 (P-11): 1983 RA:2018
		Tensile strength parallel to the grain direction	IS 1734 (P-9): 1983 RA:2018
		Tensile strength right angle to the grain direction	IS 1734 (P-9): 1983 RA:2018
		Water resistance (glue shear strength)	IS 1734 (P-4 & 6): 1983 RA:2018
		Water resistance test (adhesion of plies)	IS 1734 (P-5 & 6): 1983 RA:2018
		Wet bending strength modulus of rupture (along & across the grains)	IS 1734 (P-11): 1983 RA: 2018
		Wet bending strength modulus of elasticity (along & across the grains)	IS 1734 (P-11): 1983 RA:2018



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Elutech Laboratory and Calibration Services

Plot No. 1, Bajrang Vihar-9, New Loha Mandi Road, Macheda,
Jaipur- 302013, Rajasthan, India

QAI/CIA/TL/2024/0059

Valid from: 12 June 2024

Valid until: 11 June 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
		Plywood with plastic coating or overlay	IS 4990:2024
5.	Plywood for general purposes (IS 303:2024)	Length	IS 303: 2024
		Width	IS 303: 2024
		Thickness	IS 303: 2024
		Edge straightness	IS 303: 2024
		Squareness	IS 303: 2024
		Workmanship and finish	IS 303: 2024
		Moisture content	IS 1734 (P-1): 1983
		Glue adhesion test	IS 1734 (P-5): 1983
		Mycological test	IS 1734 (P-7): 1983
		Water resistance test	IS 1734 (P-5 & 6): 1983
		Static bending strength modulus of rupture (along & across the grains)	IS 1734 (P-11): 1983 RA:2018
		Static bending strength modulus of elasticity (along & across the grains)	IS 1734 (P-11): 1983 RA:2018
		Classification by appearance	IS 303:2024
Quality requirement of surface and no of defect	IS 303:2024		
6.	Synthetic resin adhesives for plywood (phenolic and	Cyclic test	IS 848: 2006



Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Scope of Accreditation

Elutech Laboratory and Calibration Services

Plot No. 1, Bajrang Vihar-9, New Loha Mandi Road, Macheda,
Jaipur- 302013, Rajasthan, India

QAI/CIA/TL/2024/0059

Valid from: 12 June 2024

Valid until: 11 June 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
	aminoplastic) - specification (IS 848 :2006)	Quality of resins adhesive	IS 848: 2006
7.	Veneered decorative plywood- specification (IS 1328: 1996)	Requirement (visual defects)	IS 1328: 1996
		Dimensions and tolerances (thickness)	IS 1328: 1996
		Finish	IS 1328: 1996
		Moisture content	IS 1328: 1996 IS 1734 (part 1): 1983
		Water resistance test	IS 1328: 1996

