

ROMANIAN ACCREDITATION ASSOCIATION – RENAR

Bucharest, Calea Vitan no. 242, sector 3, zip code 031301

CIF RO 4311980



RENAR is EA-MLA signatory for Testing.

ACCREDITATION CERTIFICATE No. LI 535

Romanian Accreditation Association – RENAR, being recognized as National Accreditation Body by GO 23/2009, herewith attests that the organization:

QUALITY CERT SA

Bucharest, 94 Panduri Road, District 5

through

QUALITY-CERT SA Testing Laboratory

1. Testing Laboratory for construction materials
2. National Laboratory for Wood Industry and Furniture

fulfills the requirements of **SR EN ISO/IEC 17025:2018** and is competent to perform **TESTING** activities, as it is detailed in the Annexes of the present accreditation certificate.

This accreditation is maintained provided that the accreditation criteria established by the Romanian Accreditation Association – RENAR are met continuously.

The present certificate includes Annexes no. 1/28.12.2021 (3 pages) and no. 2/28.12.2021 (5 pages), which is an integrated part of this certificate.

The accreditation certificate is an essential accreditation document which might be periodically revised and issued by RENAR. The most recent version of the accreditation certificate is available on the website of RENAR, www.renar.ro.

Date of initial accreditation: 08.10.2007

Date of renewal the accreditation: 29.10.2019

Updated on: 28.12.2021

The accreditation is valid until: 28.10.2023

GENERAL DIRECTOR

Alina Elena TAINA



**PRESIDENT OF THE
ACCREDITATION COUNCIL**

PhD. eng. Dumitru DINU

The translation of this certificate was issued today, 26.08.2022.

The accreditation certificate does not exempt CABs from the obligation to obtain all approvals and authorizations required for its operation in accordance with the law.

Partial reproduction of this certificate is forbidden.

Annex no. 2 to Accreditation Certificate no. LI 535
Annex no. 2 Issue Date: 28.12.2021

QUALITY CERT SA

through **National Laboratory for Wood Industry and Furniture**

Bucharest, 250 Basarabiei Avenue, District 3

Tests performed in permanent sites

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
(1)	(2)	(3)	(4)
Physical methods			
1	Determination of moisture resistance under cyclic test conditions	Wood-based panels	SR EN 321:2003 PL-LPL-QC-01/13
2	Determination of swelling in thickness after immersion in water	Wood-based panels	SR EN 317:1996 PL-LPL-QC-01/13
3	Determining the moisture content	Wood and wood-based products: solid and multilayer parquet elements, flooring, paneling, wood cladding, wood and wood-based panels, joinery, prefabricated wood	SR EN 13183-1:2003 SR EN 13183-1:2003/AC:2004 SR EN 13183-2:2003 SR EN 13183-2:2003/AC:2004 SR EN 322:1996 PL-LPL-QC-01/12
4	Determination of the geometrical characteristics. Measurement of dimensions	Wood and wood-based products: solid and multilayer parquet, timber, semi-finished wood, prefabricated wood	SR EN 1309-1:2000 SR EN 13647:2021 SR EN 15644:2009, clause 4.3 PL-LPL-QC-01/16
5	Determination of defects. Features and biological degradations	Solid and multilayer parquet, timber, round timber, semi-finished wood	SR EN 1309-3:2018 PL-LPL-QC-01/19
6	Determination of the density	Wood-based panels Structural timber Plastics	SR EN 323:1996 SR EN 384+A1:2019 SR EN ISO 1183-1:2019, clause 5.1. PL-LPL-QC-01/14
Mechanical methods			
7	Determination of modulus of elasticity in bending	Glued laminated timber	SR EN 408+A1:2012, clauses 9; 10 PL-LPL-QC-01/01
		Wood-based panels Paneling	SR EN 310:1996, clauses 6;7.1 SR EN 789:2004, clause PL-LPL-QC-01/01
		Laminated wood Rectangular wood section	SR EN 408+A1:2012, clauses 9, 10 SR EN 789:2004, clause 7 PL-LPL-QC-01/01
8	Determination of strength and stiffness under static load	Prefabricated wood	SR EN 1195:2002, clause 6.4.1. SR EN 1533:2011 PL-LPL-QC-01/06
9	Determination of stiffness characteristics for concentrated load	Wood and wood-based panels	SR EN 1195:2002, clause 6.4.1 SR EN 12871:2013, clause 6.2.2 PL-LPL-QC-01/06
10	Determination of bending strength	Glued laminated timber	SR EN 14080:2013, Annexes E and F SR EN 408+A1:2012, clause 19 PL-LPL-QC-01/02
		Laminated wood	SR EN 408+A1:2012, clause 19 PL-LPL-QC-01/02



Annex no. 2 to Accreditation Certificate no. LI 535
Annex no. 2 Issue Date: 28.12.2021

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
		Rectangular wood section	
		Wood-based panels Paneling	SR EN 310:1996, clauses 6; 7.2 SR EN 789:2004, clause 7 PL-LPL-QC-01/02
11	Determination of compression strength	Glued laminated timber	SR EN 408+A1:2012 PL-LPL-QC-01/03
		Laminated wood Rectangular wood section Wood-based panels	SR EN 408+A1:2012, clause 15 SR EN 789:2004, clause 8 PL-LPL-QC-01/03
12	Determination of tension strength	Glued laminated timber	SR EN 408+A1:2012, clauses 13, 16 PL-LPL-QC-01/04
		Laminated wood Rectangular wood section	SR EN 408+A1:2012, clauses 13, 16 PL-LPL-QC-01/04
		Wood-based panels	SR EN 319:1997 SR EN 311:2003 SR EN 789:2004, clause 9 PL-LPL-QC-01/04
13	Determination of shear strength	Glued laminated timber	SR EN 14080:2013, Annex D PL-LPL-QC-01/05
		Laminated wood Rectangular wood section	SR EN 408+A1:2012, clause 18 PL-LPL-QC-01/05
14	Determination of abrasion resistance	Wood-based panels	SR EN ISO 5470-1:2017 PL-LPL-QC-01/18D
15	Determination of gluing resistance	Structural laminated veneer lumber	SR EN 14374:2005, Annex B PL-LPL-QC-01/10
		Wood-based panels	SR EN 314-1:2005 SR EN 13354:2009 PL-LPL-QC-01/10
16	Determination of impact resistance	Wood and wood-based panels	SR EN 1195:2002, clause 6.4.2. SR EN 12871:2013, clause 6.3.2. PL-LPL-QC-01/15
17	Determination of the resistance to indentation	Solid and multilayer parquet Tiles, parquet	SR EN 1534:2020 PL-LPL-QC-01/17
18	Determination of mechanical strength	Traditional prefabricated solid wood stairs	CEN/TS 15680:2007, art. 4÷13 PL-LPL-QC-01/20 PL-LPL-QC-01/21
Physico-mechanical methods			
19	Determination of the characteristics of surfaces for sports areas:	Wood and wood-based products	
	Determination of vertical ball behaviour		SR EN 12235:2014 PL-LPL-QC-01/18C
	Measurement of the slip/skid resistance		SR EN 13036-4:2012 SR CEN/TS 15676:2020 PL-LPL-QC-01/18B
	Determination of the behaviour under a rolling load		SR EN 1569:2020 PL-LPL-QC-01/18E
Chemical methods			
Molecular absorption spectrometry			



Annex no. 2 to Accreditation Certificate no. LI 535
Annex no. 2 Issue Date: 28.12.2021

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
20	Determination of formaldehyde content. Extraction method called the perforator method	Wood-based panels	SR EN ISO 12460-5:2016 PL-LPL-QC-01/11a
21	Determination of formaldehyde content. Formaldehyde release using gas analysis method	Wood-based panels	SR EN ISO 12460-3:2020 PL-LPL-QC-01/11A
	Physical methods	Wood joinery, PVC, Al, etc., curtain walling, fasteners, sandwich panels	
22	Determination of defining geometry	Doors Curtain walling	SR EN 951:2003 SR EN 952:2002 PL-LPL-QC-02/04
	Physico-mechanical methods		
23	Determination of the watertightness	Joinery (doors, windows) Curtain walling	SR EN 1027:2016 SR EN 12155:2002 PL-LPL-QC-02/01
24	Determination of the air permeability	Joinery (doors, windows) Curtain walling Doors for industrial, commercial use and for garage	SR EN 1026:2016 SR EN 12153:2002 SR EN 12427:2003 PL-LPL-QC-02/02
25	Determination of resistance to wind load	Joinery (doors, windows) Curtain walling Doors for industrial, commercial use and for garage	SR EN 12211:2016 SR EN 12179:2002 SR EN 12444:2001 PL-LPL-QC-02/03
26	Determination of mechanical strength and impact strength:		PL-PLP-QC - 02/05
	Determination of the operating forces of closing and locking hardware	Joinery (doors, windows) shutters and blinds	SR EN 12046-1:2020 SR EN 12046-2:2001 SR EN 12046-2:2001/C91:2020 SR EN 12045:2002
	Resistance to repeated opening and closing	Joinery (doors, windows)	SR EN 1191:2013
	Determination of resistance to static torsion	Doors Windows	SR EN 948:2002 SR EN 14608:2004
	Determination of the resistance to vertical load	Doors	SR EN 947:2002
	Determination of the change in stiffness by repeated torsion	Doors	SR EN 130:1997
	Determination of the resistance to soft and heavy body impact	Doors Windows	SR EN 949:2002 SR EN 13049:2004
	Determination of the resistance to hard body impact (deformations determination)	Doors Shutters	SR EN 950:2002 SR EN 13330:2013
	Determination of the resistance to static torsion	Windows	SR EN 14609:2004
	Physical methods	Furniture	
27	Determination of dimensions Determination of furniture geometrical characteristics	Wooden furniture	SR 770:2020 PL-LPL-QC-03/05
28	Determination of stability	Tables Desks	SR EN 581-3:2017, clause 5 SR EN 1729-2+A1:2016, clause 6.1 SR EN 1730:2013, clause 7 SR EN 13150:2020, clause 6.1 SR EN 12521:2016, clause 5.3



Annex no. 2 to Accreditation Certificate no. LI 535
Annex no. 2 Issue Date: 28.12.2021

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
			PL-LPL-QC-03/01 SR EN 581-2:2016+AC:2016, clauses 6.2; 7.2 SR EN 1022:2019 SR EN 1729-2+A1:2016, clause 5.2. SR 7182-7:1994, clause 3.2. PL-LPL-QC-03/02 SR EN 716-2:2017, clauses 5.2, 5.12 SR EN 747-2+A1:2015, clause 5.7. SR EN 1725:2004, clause 7.2. PL-LPL-QC-03/03 SR EN 14073-3:2005, clause 5.5 SR EN 16122:2012, clause 11 SR EN 16122:2012/AC:2015 PL-LPL-QC-03/04
Physico-mechanical methods			
29	Determination of durability	Tables Desks Chairs Armchairs (including sofa-beds) Cots Mattresses Storage furniture	SR EN 581-3:2017, clause 5 SR EN 1730:2013, clause 6 SR EN 14074:2005, clauses 6.2.2; 6.3.3, 6.4.1, 6.5.1, 6.6.2, 6.7 SR EN 13150:2020, clause 7 SR EN 1729-2+A1:2016, clause 6.2 SR EN 12521:2016, clause 6.1 PL-LPL-QC-03/01 SR EN 1335-2:2019, clause 5 SR EN 581-2:2016+AC:2016, clauses 6.2, 7.2 SR EN 1729-2+A1:2016, clause 5.3 SR EN 1728:2012, clauses 6.17, 6.19, 6.21, 7.3, 7.10, 7.12, 7.13, 8.5, 8.7 SR EN 1728:2012/AC:2013 PL-LPL-QC-03/02 SR EN 716-2:2017, clauses 5.8.2, 5.11.1 SR EN 747-2+A1:2015, clause 5.5 SR EN 1129-2:2000, clause 5.5 SR EN 1725:2004, clauses 7.3, 7.5 SR EN 1957:2013, clause 9 PL-LPL-QC-03/03 SR EN 14074:2005, clauses 6.2.2, 6.3.3, 6.4.1, 6.5.1, 6.6.2, 6.7 SR EN 16122:2012 clauses 7.1.5, 7.2.3, 7.3.2, 7.4.2, 7.5.3, 7.6.4 SR EN 16122:2012/AC:2015 PL-LPL-QC-03/04
Mechanical methods			
	Determination of strength	Tables Desks	SR EN 1730:2013, clause 6 SR EN 581-3:2017, clause 5 SR EN 14074:2005, clauses 6.2.1- 6.2.4, 6.3.1, 6.3.2, 6.4.2, 6.6.1 SR EN 1729-2+A1:2016 clause 6.2 SR EN 13150:2020, clauses A3.1-3.4



Annex no. 2 to Accreditation Certificate no. LI 535
Annex no. 2 Issue Date: 28.12.2021

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
30			SR EN 12521:2016, clause 6.1 PL-LPL-QC-03/01
		Chairs Armchairs (including sofa-beds)	SR EN 581-2:2016+AC:2016, clauses 6.2, 7.2 SR EN 1729-2+A1:2016, clause 5.3 SR EN 1728:2012, clauses 6, 7, 8 SR EN 1728:2012/AC:2013 SR EN 12727:2017, clause 5 SR EN 16120+A2:2017, clause 8.8 SR EN 13759:2012 PL-LPL-QC-03/02
		Cots Mattresses	SR EN 716-2:2017, clauses 5.6; 5.7 SR EN 747-2+A1:2015, clauses 5.4 SR EN 1129 -2:2000, clause 5.5 SR EN 1725:2004, clauses 7.4-7.6 PL-LPL-QC-03/03
		Storage furniture	SR EN 14073-3:2005, clauses 5.1-5.4, 5.6.2-5.6.4 SR EN 14074:2005, clauses 6.2.1-6.2.4, 6.3.1, 6.3.2, 6.4.2, 6.6.1 SR EN 16122:2012, clauses 6; 7; 9 SR EN 16122:2012/AC:2015 PL-LPL-QC-03/04

End of document

GENERAL DIRECTOR
Alina Elena TAINĂ

