

Declaration of conformity

n° 13671 / 2023

According to the results of the following tests:

EN 16139 test report n. 357842- 1/2023
EN 16139 test report n. 357842- 2/2023
EN 1728 test report n. 357842- 3/2023
EN 1728 test report n. 357842- 4/2023
EN 1728 test report n. 357842- 5/2023
EN 1728 test report n. 357842- 6/2023
EN 1728 test report n. 357842- 7/2023
EN 1728 test report n. 357842- 8/2023
EN 1728 test report n. 357842- 9/2023
EN 1728 test report n. 357842-10/2023
EN 1022 test report n. 357842-11/2023

we hereby testify that



LEMON - sedia 4 gambe
of company

METALMECCANICA ALBA S.R.L. - VIA BOSCHIER 54/A - 31020 SAN ZENONE DEGLI EZZELINI (TV)ITALIA

**complies with the strength, durability and safety requirements
of 2nd level of EN 16139:2013+AC2013**

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The managing director
Dr. Franco Bulian

November 28th, 2023

Report ID: 357842
Date of sample receipt: 12/10/23
Date of issue: 28/11/23

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Sample name: LEMON - sedia 4 gambe

SAMPLE N° 357842

Overall dimensions: 520 x 600 x 800 (h) mm

List of test reports:

1. Safety requirements EN 16139:2013+AC:2013
2. Information for use EN 16139:2013+AC:2013
3. Seat and back static load test and seat front edge static load test EN 1728:2012+AC:2013
4. Vertical load on back rest EN 1728:2012+AC:2013
5. Seat and back fatigue test EN 1728:2012+AC:2013
6. Seat front edge durability test EN 1728:2012+AC:2013
7. Leg forward static load test EN 1728:2012+AC:2013
8. Leg sideways static load test EN 1728:2012+AC:2013
9. Seat impact test EN 1728:2012+AC:2013
10. Back impact test EN 1728:2012+AC:2013
11. Stability - EN 1022:2005
12. Stability EN 1022:2018, clause 7.3



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The deputy director
Dr. Daniele Bergamasco
Daniele Bergamasco

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SAMPLE N° 357842

Date of issue: 28/11/23
Sample weight: Not determined
Sample name: LEMON - sedia 4 gambe



Side view



Rear view



Bottom view

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TEST REPORT

357842 / 1

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 16/10/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Safety requirements EN 16139:2013+AC:2013

Safety requirements clause 4

Statement checked	Remarks
Corner and edges in contact with the users: • Absence of sharp edges and corners	Yes
Edges on the handles: • Absence of sharp edges and corners in the direction of the force	Handles not present
Other edges: • Absence of sharp edges and corners	Yes
Accessible hollow components: • The ends of hollow components are closed or capped	Yes
Movable and adjustable parts: • It shall not be possible for any movable and adjustable part of the chair to come operate unintentionally.	Movable and adjustable parts not present
Connections between parts of the structure: • It shall not be possible for any load bearing part of the seating to come loose unintentionally	No
Parts which are lubricated: • All the parts which are lubricated shall be designed to protect users	Lubricated parts not present
Shear and squeeze points between movable parts $\geq 8 \text{ mm} \leq 25 \text{ mm}$: • Shear and squeeze points under influence of powered mechanism • Shear and squeeze points during normal use and during normal movements and actions	Mechanism not present No

Conformity to clauses 4.1 and 4.2 of standard EN 16139:2013+AC:2013:

YES

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TEST REPORT

357842 / 2

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 30/10/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Information for use EN 16139:2013+AC:2013

Information for use clause 7

Statement checked	Remarks
Information for use in the language of the country in which the chair will be delivered to the end user (Valuated only English and Italian languages)	Present
Information regarding the intended use (Annex B of EN 16139:2013+AC:2013)	Present
Instruction for operating the adjusting mechanisms, where applicable	Not applicable
Assembly instructions, where applicable	Not applicable
Instruction for the care and the maintenance of the chair	Present
Information on the choice of castors in relation to the floor surface if the chair is fitted	Castors not present
Advice that only trained personnel may replace or repair seat height adjustment components with energy accumulators if the chair is fitted	Seat height adjustment not present

Conformity to clause 7 of standard EN 16139:2013+AC:2013:

YES

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TEST REPORT

357842 / 3

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 17/10/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Seat and back static load test and seat front edge static load test EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clauses 6.4 and 6.5 and in accordance to the test parameters of EN 16139:2013+AC:2013, table 1

Seat and back static load test, clause 6.4, EN 1728:2012+AC:2013

Test results:

Seat load N	Back force N	Number of cycles	Remarks
2.000	630	10	No defects

Note:

According to EN 1728:2012+AC:2013, back force has been reduced from 700 N to 630 N to avoid tipping.

Seat front edge static load, clause 6.5, EN 1728:2012+AC:2013

Seat load N	Number of cycles	Remarks
1.600	10	No defects

The test results comply with the requirements in clause 5 of standard EN 16139:2013+AC:2013, level 2

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TEST REPORT

357842 / 4

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 17/10/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Vertical load on back rest EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clause 6.6 and in accordance to the test parameters of EN 16139:2013+AC:2013, table 1

Test results:

Seat load N	Downwards force N	Number of applications	Remarks
1.800	900	10	No defects

The test results comply with the requirements of clause 5 of standard EN 16139:2013+AC:2013, level 2

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TEST REPORT

357842 / 5

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 06/11/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Seat and back fatigue test EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clauses 6.17 and in accordance to the test parameters of EN 16139:2013+AC:2013, table 1

Test results:

Seat load N	Back force N	Number of cycles	Remarks
1.000	300	200.000	No defects

The test results comply with the requirements in clause 5 of standard EN 16139:2013+AC:2013, level 2

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TEST REPORT

357842 / 6

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 20/11/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Seat front edge durability test EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clauses 6.18 and in accordance to the test parameters of EN 16139:2013+AC:2013, table 1

Test results:

Points of application	Seat force N	Number of cycles	Remarks
100 mm back from the front and sides edges	800	100.000	No defects

The test results comply with the requirements in clause 5 of standard EN 16139:2013+AC:2013, level 2

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TEST REPORT

357842 / 7

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 27/11/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Leg forward static load test EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clauses 6.15 and in accordance to the test parameters of EN 16139:2013+AC:2013, table 1

Test results:

Forward horizontal force N	Balancing seat force N	Number of cycles	Remarks
620	1.800	10	No defects

The test results comply with the requirements in clause 5 of standard EN 16139:2013+AC:2013, level 2

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TEST REPORT

357842 / 8

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 27/11/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Leg sideways static load test EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clauses 6.16 and in accordance to the test parameters of EN 16139:2013+AC:2013, table 1

Test results:

Sideways horizontal force N	Balancing seat force N	Number of cycles	Remarks
660	1.800	10	No defects

Note:

According to EN 1728:2012+AC:2013, horizontal force has been reduced from 760 N to 660 N, to avoid tipping.

The test results comply with the requirements in clause 5 of standard EN 16139:2013+AC:2013, level 2

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TEST REPORT

357842 / 9

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 27/11/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Seat impact test EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clauses 6.24 and in accordance to the test parameters of EN 16139:2013+AC:2013, table 1

Test results:

Mass of impactor kg	Height of drop mm	Impact point	Number of drops	Remarks
25	300	seat loading point (A)	10	No defects
25	300	on the longitudinal axis, 100 mm from the front seat edge	10	No defects

The test results comply with the requirements in clause 5 of standard EN 16139:2013+AC:2013, level 2

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TEST REPORT

357842 / 10

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 28/11/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Back impact test EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clauses 6.25 and in accordance to the test parameters of EN 16139:2013+AC:2013, table 1

Test results:

Angle °	Mass of impactor kg	Number of cycles	Remarks
48	6,5	10	No defects

The test results comply with the requirements in clause 5 of standard EN 16139:2013+AC:2013, level 2

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TEST REPORT

357842 / 11

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 28/11/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 163 N

Forwards overturning

Horizontal force : 20 N does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : 163 N does not overturn

Tilting chair in the rearmost position

Loading discs on the seat : /

Sideways overturning for chairs with arms

Horizontal force : /

Sideways overturning for chairs without arms

Horizontal force : 20 N does not overturn

Forwards overturning for chairs with footrest

Horizontal force : /

The test result complies with the requirements of EN 1022:2005

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TEST REPORT

357842 / 12

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 28/11/23
Date of issue: 28/11/23



Sample name: LEMON - sedia 4 gambe

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Stability EN 1022:2018, clause 7.3

Type of chair: fixed geometry

Positioning of chair components: as specified in Table 1 of EN 1022:2018

Loads and masses according to table B1 of EN 1022:2018, annex B

Forwards overturning

Forwards overturning, clause 7.3.1 : does not overturn

Forwards overturning for seating with foot rest, clause 7.3.2 : /

Corner stability, clause 7.3.3 : does not overturn

Sideways overturning

Sideways overturning, all seating without arm rests, clause 7.3.4 : does not overturn

Seating with arm rests, clause 7.3.5.2 : /

Seating with raised side edges, clause 7.3.5.3 : /

Rearwards overturning

Rearwards overturning all seating with back rests, clause 7.3.6

Minimum force required: 163 N : does not overturn

Tilting seating, clause 7.4.2 : /

Reclining seating with leg rest, clause 7.4.3 : /

Reclining seating without leg rest, clause 7.4.4 : /

Rearwards stability test for rocking chairs, clause 7.4.5 : /

The test results comply with the requirements in clause 7.2 of standard EN 1022:2018

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Report ID: 357919
Date of sample receipt: 12/10/23
Date of issue: 31/10/23

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Sample name: LEMON - CHAIR 4 LEGS

SAMPLE N° 357919

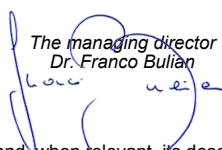
Overall dimensions: 460 x 600 x 800 (h) mm

List of test reports:

1. Unit drop test - dynamic ANSI-BIFMA X5.4-2020/17
2. Stability test ANSI-BIFMA X5.4-2020/21
3. Backrest durability test - horizontal - cyclic ANSI-BIFMA X5.4-2020/7
4. Seating durability test - cyclic ANSI-BIFMA X5.4-2020/14
5. Structural durability test - Cyclic ANSI BIFMA X5.4-2020/24
6. Leg strength test - side application ANSI-BIFMA X5.4-2020/16
7. Drop test - dynamic ANSI-BIFMA X5.4-2020/15
8. Backrest strength test - horizontal - static ANSI-BIFMA X5.4-2020/5
9. Leg strength test - front application ANSI-BIFMA X5.4-2020/16



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*The managing director
Dr. Franco Bulian*


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SAMPLE N° 357919

Date of issue: 31/10/23
Sample weight: Not determined
Sample name: LEMON - CHAIR 4 LEGS



Side view



Rear view



Bottom view

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TEST REPORT

357919 / 1

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 16/10/23
Date of issue: 31/10/23



Sample name: LEMON - CHAIR 4 LEGS

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Unit drop test - dynamic ANSI-BIFMA X5.4-2020/17

Test carried out on sample 1 of 2.

Weight of the unit: 5 kg

Test results:

Drop height mm	Number of drops per side	Remarks
180	1	No defects

The test results comply with the requirements in clause 17.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

357919 / 2

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 16/10/23
Date of issue: 31/10/23



Sample name: LEMON - CHAIR 4 LEGS

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Stability test ANSI-BIFMA X5.4-2020/21

Test carried out on sample 2 of 2.

Clause 21.3

Rear stability for non-tilting units

Seat load:	60 kg	
Minimum force required:	143 N	
Measured force:	> 195 N *	Does not overturn

Clause 21.4

Rear stability for tilting units

Loading discs on the seat	/
---------------------------	---

Clause 21.5

Front Stability for Units Less than 36.3 kg

Seat load:	600 N	
Minimum force required:	20 N	
Measured force:	> 20 N	Does not overturn

Clause 21.6

Front Stability for Units Greater Than or Equal to 36.3 kg

Weight of the unit:	5 kg
Minimum force required:	/
Measured force:	/

The test results comply with the requirements in clause 21.3.3 and 21.5.4 of ANSI-BIFMA X5.4-2020.

* Unless otherwise specified, measurement uncertainty expanded to a confidence level of about 95% is $\pm 5\%$.

The measurement uncertainties stated in this document have been determined according to UNI CEI 70098-3:2016.

They were estimated as expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally k=2.

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The managing director
Dr. Franco Bulian

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TEST REPORT

357919 / 3

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 16/10/23
Date of issue: 31/10/23



Sample name: LEMON - CHAIR 4 LEGS

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Backrest durability test - horizontal - cyclic ANSI-BIFMA X5.4-2020/7

Test carried out on sample 2 of 2.

Backrest height: < 452 mm

Test results:

Horizontal force N	Number of cycles per position	Remarks
334	120.000	No defects

The test results comply with the requirements in clause 7.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

357919 / 4

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 23/10/23
Date of issue: 31/10/23



Sample name: LEMON - CHAIR 4 LEGS

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Seating durability test - cyclic ANSI-BIFMA X5.4-2020/14

Test carried out on sample 1 of 2.

Height of drop: 36 mm above the uncompressed seat surface

Test results:

Mass of drop kg	Number of drops	Remarks
57	100.000	No defects

The test results comply with the requirements in clause 14.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

357919 / 5

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 24/10/23
Date of issue: 31/10/23



Sample name: LEMON - CHAIR 4 LEGS

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Structural durability test - Cyclic ANSI BIFMA X5.4-2020/24

Test carried out on sample 2 of 2.

Seat height: 468 mm

Test results:

Seat load kg	Horizontal Force N	Number of cycles	Remarks
109	334	25.000	No defects

The test results comply with the requirements in clause 24.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

357919 / 6

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 26/10/23
Date of issue: 31/10/23



Sample name: LEMON - CHAIR 4 LEGS

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Leg strength test - side application ANSI-BIFMA X5.4-2020/16

Test carried out on sample 2 of 2.

Weight of the unit: 5 kg

Test results:

Horizontal force N	Time of application	Leg tested	Remarks
334	1 min	front	No defects
334	1 min	rear	No defects
503	10 s	front	No defects
503	10 s	rear	No defects

The test results comply with the requirements in clause 16.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

357919 / 7

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 26/10/23
Date of issue: 31/10/23



Sample name: LEMON - CHAIR 4 LEGS

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Drop test - dynamic ANSI-BIFMA X5.4-2020/15

Test carried out on sample 2 of 2.

Test results:

Bag weight kg	Drop height mm	Number of cycles per position	Remarks
102	152	1	No defects
136	152	1	No defects

The test results comply with the requirements in clause 15.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

357919 / 8

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 31/10/23
Date of issue: 31/10/23



Sample name: LEMON - CHAIR 4 LEGS

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Backrest strength test - horizontal - static ANSI-BIFMA X5.4-2020/5

Test carried out on sample 1 of 2.

Backrest height: < 452 mm

Test results:

Back load for each seating position N	Time of application	Remarks
667	1 min	No defects
1.112	10 s	No defects

The test results comply with the requirements in clause 5.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

357919 / 9

Revision: 0
Date of sample receipt: 12/10/23
Date of test: 31/10/23
Date of issue: 31/10/23



Sample name: LEMON - CHAIR 4 LEGS

METALMECCANICA ALBA S.R.L.
VIA BOSCHIER 54/A
31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Leg strength test - front application ANSI-BIFMA X5.4-2020/16

Test carried out on sample 2 of 2.

Weight of the unit: 5 kg

Test results:

Horizontal force N	Time of application	Leg tested	Remarks
334	1 min	left	No defects
334	1 min	right	No defects
503	10 s	left	No defects
503	10 s	right	No defects

The test results comply with the requirements in clause 16.5 of ANSI-BIFMA X5.4-2020.

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