

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
loc. u.e.

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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
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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.
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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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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.
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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.
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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.
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31020 SAN ZENONE DEGLI EZZELINI (TV)
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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.
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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

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METALMECCANICA ALBA S.R.L.
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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
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METALMECCANICA ALBA S.R.L.
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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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