

Report ID: 363332
Date of sample receipt: 11/01/24
Date of issue: 24/01/24

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

Sample name: Genesi 4 gambe con braccioli

SAMPLE N° 363332

Overall dimensions: 615 x 555 x 835 (h) mm

List of test reports:

1. Stability test ANSI-BIFMA X5.1-2017/11(2022)
2. Seating durability test - Cyclic - ANSI-BIFMA X5.1-2017/10(2022)
3. Arm strength test-Vertical-Static ANSI-BIFMA X5.1-2017/12(2022)
4. Arm strength test - Horizontal-Static ANSI-BIFMA X5.1-2017/13(2022)
5. Arm durability test - cyclic ANSI-BIFMA X5.1-2017/20(2022)
6. Structural durability test - Cyclic ANSI BIFMA X5.1-2017/24(2022)
7. Back durability test - Cyclic-Type II and III ANSI-BIFMA X5.1-2017/15(2022)
8. Backrest strength test - Static ANSI-BIFMA X5.1-2017/6(2022)
9. Leg strength test- Side application ANSI-BIFMA X5.1-2017/17(2022)
10. Leg strength test-Front application ANSI-BIFMA X5.1-2017/17(2022)
11. Drop test - Dynamic - ANSI- BIFMA X5.1-2017/7(2022)



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The managing director
Dr. Franco Bulian
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SAMPLE N° 363332

Date of issue: 24/01/24
Sample weight: Not determined
Sample name: Genesi 4 gambe con braccioli



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TEST REPORT

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Revision: 0
Date of sample receipt: 11/01/24
Date of test: 15/01/24
Date of issue: 24/01/24



Sample name: Genesi 4 gambe con braccioli

METALMECCANICA ALBA S.R.L.
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Stability test ANSI-BIFMA X5.1-2017/11(2022)

Test carried out on sample 1 of 3

Type of chair: Type III

Clause 11.3.1
Rear stability for chair type III

Seat load:	60	kg	
Minimum force required :	142	N	
Measured force:	> 200	N *	Does not overturn

Clause 11.3.2
Rear stability for chair type I and II

Loading discs on the seat: /

Clause 11.4
Front stability

Vertical load:	61	kg	
Minimum force required:	20	N	
Measured force:	> 20	N	Does not overturn

The test results comply with the requirements in clause 11.3.1.3 and 11.4.4 of ANSI-BIFMA X5.1-2017(2022).

* 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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Sample name: Genesi 4 gambe con braccioli

METALMECCANICA ALBA S.R.L.
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ITALIA

Seating durability test - Cyclic - ANSI-BIFMA X5.1-2017/10(2022)

Test carried out on sample 1 of 3

Type of chair: Type III

Clause 10.3 - seat impact test

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

Clause 10.4 - front corner load-ease test - cyclic -off-center

Test results:

Seat load (N)	Number of cycles	Remarks
890	20.000	No defects

The test results comply with the requirements in clause 10.5 of ANSI-BIFMA X5.1-2017(2022).

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TEST REPORT

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Sample name: Genesi 4 gambe con braccioli

METALMECCANICA ALBA S.R.L.
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ITALIA

Arm strength test-Vertical-Static ANSI-BIFMA X5.1-2017/12(2022)

Test carried out on sample 1 of 3

Type of chair: Type III

Test results:

Vertical load (N)	Time of application	Number of cycles	Remarks
750	1 min.	1	No defects
1.125	15 sec.	1	No defects

The test results comply with the requirements in clause 12.5 of ANSI-BIFMA X5.1-2017(2022).

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METALMECCANICA ALBA S.R.L.
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Arm strength test - Horizontal-Static ANSI-BIFMA X5.1-2017/13(2022)

Test carried out on sample 1 of 3

Type of chair: Type III

Test results:

Horizontal load (N)	Time of application	Number of cycles	Remarks
445	1 min.	1	No defects
667	15 sec.	1	No defects

The test results comply with the requirements in clause 13.5 of ANSI-BIFMA X5.1-2017(2022).

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Sample name: Genesi 4 gambe con braccioli

METALMECCANICA ALBA S.R.L.
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Arm durability test - cyclic ANSI-BIFMA X5.1-2017/20(2022)

Test carried out on sample 3 of 3

Type of chair: Type III
Seat height: fixed
Armrest positioning: fixed

Test results:

Load on arm rest (N)	Number of cycles	Remarks
400	60.000	No defects

The test results comply with the requirements in clause 20.4 of ANSI-BIFMA X5.1-2017(2022).

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Sample name: Genesi 4 gambe con braccioli

METALMECCANICA ALBA S.R.L.
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Structural durability test - Cyclic ANSI BIFMA X5.1-2017/24(2022)

Test carried out on sample 2 of 3

Type of chair: Type III

Seat height: 470 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 X5.1-2017(2022).

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Date of test: 17/01/24
Date of issue: 24/01/24



Sample name: Genesi 4 gambe con braccioli

METALMECCANICA ALBA S.R.L.
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ITALIA

Back durability test - Cyclic-Type II and III ANSI-BIFMA X5.1-2017/15(2022)

Test carried out on sample 2 of 3

Type of chair: Type III
Backrest height: < 452 mm
Backrest widths: 402 mm

Test results:

Number of cycles	Seat load (kg)	Force application points on the backrest	Backrest force (N)	Remarks
120.000	109	Center of the backrest	334	No defects

The test results comply with the requirements in clause 15.5 of ANSI-BIFMA X5.1-2017(2022).

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Date of sample receipt: 11/01/24
Date of test: 18/01/24
Date of issue: 24/01/24



Sample name: Genesi 4 gambe con braccioli

METALMECCANICA ALBA S.R.L.
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Backrest strength test - Static ANSI-BIFMA X5.1-2017/6(2022)

Test carried out on sample 3 of 3

Type of chair: Type III

Backrest height: > 452 mm

Test results:

Back load for each seating position (N)	Time of application (minutes)	Number of cycles	Remarks
667	1	1	No defects
1.001	1	1	No defects

The test results comply with the requirements in clause 6.5 of ANSI-BIFMA X5.1-2017(2022).

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Date of test: 22/01/24
Date of issue: 24/01/24



Sample name: Genesi 4 gambe con braccioli

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

Leg strength test- Side application ANSI-BIFMA X5.1-2017/17(2022)

Test carried out on sample 3 of 3

Type of chair: Type III

Test results:

Leg	Applied load (N)	Time of application (minutes)	Number of cycles	Remarks
Front leg	334	1	1	No defects
Rear leg	334	1	1	No defects

Leg	Applied load (N)	Time of application (minutes)	Number of cycles	Remarks
Front leg	503	1	1	No defects
Rear leg	503	1	1	No defects

The test results comply with the requirements in clause 17.5 of ANSI-BIFMA X5.1-2017(2022).

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TEST REPORT

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Date of test: 22/01/24
Date of issue: 24/01/24



Sample name: Genesi 4 gambe con braccioli

METALMECCANICA ALBA S.R.L.
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31020 SAN ZENONE DEGLI EZZELINI (TV)
ITALIA

Leg strength test-Front application ANSI-BIFMA X5.1-2017/17(2022)

Test carried out on sample 3 of 3

Type of chair: Type III

Test results:

Leg	Applied load (N)	Time of application (minutes)	Number of cycles	Remarks
Right leg	334	1	1	No defects
Left leg	334	1	1	No defects

Leg	Applied load (N)	Time of application (minutes)	Number of cycles	Remarks
Right leg	503	1	1	No defects
Left leg	503	1	1	No defects

The test results comply with the requirements in clause 17.5 of ANSI-BIFMA X5.1-2017(2022).

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METALMECCANICA ALBA S.R.L.
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ITALIA

Drop test - Dynamic - ANSI- BIFMA X5.1-2017/7(2022)

Test carried out on sample 2 of 3

Type of chair: Type III

Height of drop: 152 mm above the uncompressed seat surface

Test results:

Bag weight (kg)	Number of drops	Remarks
102	1	No defects
136	1	No defects

The test results comply with the requirements in clause 7.5 of ANSI-BIFMA X5.1-2017(2022).

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