

Report ID: 393287
Date of sample receipt: 04/06/25
Date of issue: 08/07/25

CANTARUTTI S.R.L.
VIA MAGGIORE 14
33040 PREMARIACCO (UD)
ITALIA

Sample name: ZELDA chair

SAMPLE N° 393287

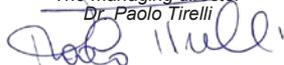
Overall dimensions: 530 x 500 x 800 (h) mm

List of test reports:

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



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The managing director
Dr. Paolo Tirelli


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Testing Certification Research

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SAMPLE N° 393287

Date of issue: 08/07/25
Sample name: ZELDA chair

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TEST REPORT

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Revision: 0
 Date of sample receipt: 04/06/25
 Date of test: 06/06/25
 Date of issue: 08/07/25



Sample name: ZELDA chair

CANTARUTTI S.R.L.
 VIA MAGGIORE 14
 33040 PREMARIACCO (UD)
 ITALIA

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

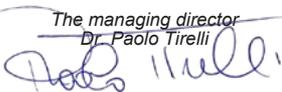
Weight of the unit: 6 kg

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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TEST REPORT
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Revision: 0
 Date of sample receipt: 04/06/25
 Date of test: 06/06/25
 Date of issue: 08/07/25



Sample name: ZELDA chair

CANTARUTTI S.R.L.
 VIA MAGGIORE 14
 33040 PREMARIACCO (UD)
 ITALIA

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

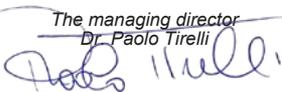
Weight of the unit: 6 kg

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**393287 / 3**Revision: 0
Date of sample receipt: 04/06/25
Date of test: 09/06/25
Date of issue: 08/07/25

Sample name: ZELDA chair

CANTARUTTI S.R.L.
VIA MAGGIORE 14
33040 PREMARIACCO (UD)
ITALIA**Seating durability test - cyclic ANSI-BIFMA X5.4-2020/14**

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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Revision: 0
Date of sample receipt: 04/06/25
Date of test: 19/06/25
Date of issue: 08/07/25

Sample name: ZELDA chair

CANTARUTTI S.R.L.
VIA MAGGIORE 14
33040 PREMARIACCO (UD)
ITALIA**Backrest durability test - horizontal - cyclic ANSI-BIFMA X5.4-2020/7**

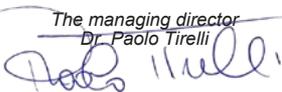
Backrest height: < 452 mm

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

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Revision: 0
 Date of sample receipt: 04/06/25
 Date of test: 27/06/25
 Date of issue: 08/07/25



Sample name: ZELDA chair

CANTARUTTI S.R.L.
 VIA MAGGIORE 14
 33040 PREMARIACCO (UD)
 ITALIA

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

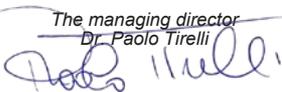
Seat height: 466 mm

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**393287 / 6**Revision: 0
Date of sample receipt: 04/06/25
Date of test: 30/06/25
Date of issue: 08/07/25

Sample name: ZELDA chair

CANTARUTTI S.R.L.
VIA MAGGIORE 14
33040 PREMARIACCO (UD)
ITALIA**Stability test ANSI-BIFMA X5.4-2020/21**

Clause 21.3

Rear stability for non-tilting units

Seat load: 60 kg
Minimum force required: 143 N
Measured force: > 200 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: 6 kg
Minimum force required: / N
Measured force: / N *

The test results comply with the relative requirement in clause 21.3.3 e 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**393287 / 7**Revision: 0
Date of sample receipt: 04/06/25
Date of test: 07/07/25
Date of issue: 08/07/25

Sample name: ZELDA chair

CANTARUTTI S.R.L.
VIA MAGGIORE 14
33040 PREMARIACCO (UD)
ITALIA**Backrest durability test - vertical - cyclic ANSI-BIFMA X5.4-2020/8**Backrest height from the floor: 800 mm
Backrest overall thickness: > 50 mm

Test results:

Horizontal force N	Number of cycles per position	Remarks
890	10.000	No defects

The test results comply with the requirements in clause 8.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

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Revision: 0
Date of sample receipt: 04/06/25
Date of test: 08/07/25
Date of issue: 08/07/25

Sample name: ZELDA chair

CANTARUTTI S.R.L.
VIA MAGGIORE 14
33040 PREMARIACCO (UD)
ITALIA**Backrest strength test - vertical - static ANSI-BIFMA X5.4-2020/6**

Backrest height from the floor: 800 mm

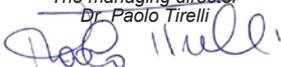
Backrest overall thickness: > 50 mm

Test results:

Back load for each seating position N	Time of application	Remarks
890	1 min	No defects
1.334	10 s	No defects

The test results comply with the requirements in clause 6.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

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Revision: 0
Date of sample receipt: 04/06/25
Date of test: 08/07/25
Date of issue: 08/07/25



Sample name: ZELDA chair

CANTARUTTI S.R.L.
VIA MAGGIORE 14
33040 PREMARIACCO (UD)
ITALIA

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

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

393287 / 10

Revision: 0
 Date of sample receipt: 04/06/25
 Date of test: 08/07/25
 Date of issue: 08/07/25



Sample name: ZELDA chair

CANTARUTTI S.R.L.
 VIA MAGGIORE 14
 33040 PREMARIACCO (UD)
 ITALIA

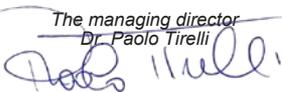
Drop test - dynamic ANSI-BIFMA X5.4-2020/15

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

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Revision: 0
 Date of sample receipt: 04/06/25
 Date of test: 08/07/25
 Date of issue: 08/07/25



Sample name: ZELDA chair

CANTARUTTI S.R.L.
 VIA MAGGIORE 14
 33040 PREMARIACCO (UD)
 ITALIA

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

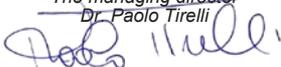
Weight of the unit: 6 kg

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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