

Date received: 04/06/19

Date of issue: 17/07/19

Report consists of 7 test reports.

Defects before testing: None

Sample name: Sedia TIPI con base in metallo

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

SAMPLE N° 272669

Overall dimensions: 560 x 520 x 770 (h) mm

List of test reports:

1. Stability test ANSI-BIFMA X5.1-2017/11
2. Backrest strength test - Static ANSI-BIFMA X5.1-2017/6
3. Drop test - Dynamic - ANSI- BIFMA X5.1-2017/7
4. Leg strength test-Front application ANSI-BIFMA X5.1-2017/17
5. Leg strength test- Side application ANSI-BIFMA X5.1-2017/17
6. Structural durability test - Cyclic ANSI BIFMA X5.1-2017/24
7. Seating durability test - Cyclic - ANSI-BIFMA X5.1-2017/10



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Managing Director
Dr. Andrea Giavon

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SAMPLE N° 272669

Date of issue: 17/07/19
Sample weight: Not determined
Sample name: Sedia TIPI con base in metallo

TEST REPORT

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Revision: 0
Date received: 04/06/19
Date of test: 14/06/19
Date of issue: 17/07/19



Sample name: Sedia TIPI con base in metallo

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

Stability test ANSI-BIFMA X5.1-2017/11

Type of chair: Type III

Clause 11.3.1

Rear stability for chair type III

Seat load:	60	kg	
Minimum force required :	141	N	Does not overturn
Measured force:	180	N	

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	Does not overturn
Measured force:	> 25	N	

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

Unless otherwise specified, measurement uncertainty expanded to a confidence level of about 95% is ± 2 N.

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

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Sample name: Sedia TIPI con base in metallo

CANTARUTTI S.R.L.
VIA MAGGIORE 14
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ITALIA

Backrest strength test - Static ANSI-BIFMA X5.1-2017/6


Type of chair: Type III

Test results:

Back load N	Time of application (minutes)	Remarks
667	1	No defects
1.001	1	No defects

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

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Revision: 0
Date received: 04/06/19
Date of test: 17/06/19
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Sample name: Sedia TIPI con base in metallo

CANTARUTTI S.R.L.
VIA MAGGIORE 14
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Drop test - Dynamic - ANSI- BIFMA X5.1-2017/7

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

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Sample name: Sedia TIPI con base in metallo

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

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

Type of chair: Type III

Test results:

Leg	Applied load N	Load application points mm	Time of application minutes	Remarks
Right leg	334	38 from the bottom and 25 from the edge	1	No defects
Left leg	334	38 from the bottom and 25 from the edge	1	No defects

Leg	Applied load N	Load application points mm	Time of application minutes	Remarks
Right leg	503	38 from the bottom and 25 from the edge	1	No defects
Left leg	503	38 from the bottom and 25 from the edge	1	No defects

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

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Sample name: Sedia TIPI con base in metallo

CANTARUTTI S.R.L.
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ITALIA

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

Type of chair: Type III

Test results:

Leg	Applied load N	Load application points mm	Time of application minutes	Remarks
Front leg	334	38 from the bottom and 25 from the edge	1	No defects
Rear leg	334	38 from the bottom and 25 from the edge	1	No defects

Leg	Applied load N	Load application points mm	Time of application minutes	Remarks
Front leg	503	38 from the bottom and 25 from the edge	1	No defects
Rear leg	503	38 from the bottom and 25 from the edge	1	No defects

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

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Sample name: Sedia TIPI con base in metallo

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Structural durability test - Cyclic ANSI BIFMA X5.1-2017/24

Type of chair: Type III

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

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TEST REPORT

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Revision: 0
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Date of test: 01/07/19
Date of issue: 17/07/19



Sample name: Sedia TIPI con base in metallo

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

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

Type of chair: Type III

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

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

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