

Report ID: 348843
Date of sample receipt: 16/05/23
Date of issue: 28/06/23

CERANTOLA S.P.A.
VIA GIORGIONE 2-ZONA IND.LE
31037 RAMON DI LORIA (TV)
ITALIA

Sample name: Stool LORIA wood frame

SAMPLE N° 348843

Overall dimensions: 570 x 480 x 990 (h) mm

List of test reports:

1. Stability test ANSI-BIFMA X5.4-2020/21
2. Unit drop test - dynamic ANSI-BIFMA X5.4-2020/17
3. Footrest Static Load test - Vertical ANSI-BIFMA X5.4-2020/27
4. Footrest durability test ANSI-BIFMA X5.4-2020/28
5. Backrest durability test - horizontal - cyclic ANSI-BIFMA X5.4-2020/7
6. Seating durability test - cyclic ANSI-BIFMA X5.4-2020/14
7. Arm durability test for single seat units - angular - cyclic ANSI-BIFMA-X5.4-2020/13
8. Arm strength test - horizontal - static ANSI-BIFMA X5.4-2020/9
9. Backrest strength test - horizontal - static ANSI-BIFMA X5.4-2020/5
10. Leg strength test - front application ANSI-BIFMA X5.4-2020/16
11. Leg strength test - side application ANSI-BIFMA X5.4-2020/16
12. Drop test - dynamic ANSI-BIFMA X5.4-2020/15



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*The managing director
Dr. Franco Bulian*

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SAMPLE N° 348843

Date of issue: 28/06/23
Sample weight: Not determined
Sample name: Stool LORIA wood frame



Side view



Rear view



Bottom view

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TEST REPORT

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Revision: 0
Date of sample receipt: 16/05/23
Date of test: 18/05/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
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Stability test ANSI-BIFMA X5.4-2020/21

Clause 21.3

Rear stability for non-tilting units

Seat load:	60 kg	
Minimum force required:	93 N	
Measured force:	> 110 N *	Does not overturn

Clause 21.4

Rear stability for tilting units

Loading discs on the seat	/
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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:	7 kg
Minimum force required:	/ N
Measured force:	/ N

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

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Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
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ITALIA

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

Weight of the unit: 7 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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Revision: 0
Date of sample receipt: 16/05/23
Date of test: 18/05/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
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31037 RAMON DI LORIA (TV)
ITALIA

Footrest Static Load test - Vertical ANSI-BIFMA X5.4-2020/27

Type of foot rest: fixed

Test results:

Functional load

Force on footrest F1 N	Number of cycles	Time of application	Time of application
445	1	1 m	No defects
890	1	1 m	No defects

Proof load

Force on foot rest N	Number of cycles	Time of application	Remarks
1.334	1	10 s	No defects

The test results comply with the requirements in clause 27.4.2 and 27.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

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Revision: 0
Date of sample receipt: 16/05/23
Date of test: 18/05/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
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Footrest durability test ANSI-BIFMA X5.4-2020/28

Test results:

Load on footrest N	Number of cycles	Remarks
890	50.000	No defects

The test results comply with the requirements in clause 28.5 of ANSI-BIFMA X5.4-2020.

Unless otherwise specified, measurement uncertainty expanded to a confidence level of about 95% is ± 5 N.

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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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Revision: 0
Date of sample receipt: 16/05/23
Date of test: 29/05/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
VIA GIORGIONE 2-ZONA IND.LE
31037 RAMON DI LORIA (TV)
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: 16/05/23
Date of test: 12/06/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
VIA GIORGIONE 2-ZONA IND.LE
31037 RAMON DI LORIA (TV)
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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[Signature]

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TEST REPORT

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Revision: 0
Date of sample receipt: 16/05/23
Date of test: 20/06/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
VIA GIORGIONE 2-ZONA IND.LE
31037 RAMON DI LORIA (TV)
ITALIA

Arm durability test for single seat units - angular - cyclic ANSI-BIFMA-X5.4-2020/13

Test results:

Vertical load N	Number of cycles	Remarks
400	60.000	No defects

The test results comply with the requirements in clause 13.5 of ANSI-BIFMA X5.4-2020.

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TEST REPORT

348843 / 8

Revision: 0
Date of sample receipt: 16/05/23
Date of test: 23/06/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
VIA GIORGIONE 2-ZONA IND.LE
31037 RAMON DI LORIA (TV)
ITALIA

Arm strength test - horizontal - static ANSI-BIFMA X5.4-2020/9

Distance between the armrests: 555 mm

Test results:

Load on arm rest N	Time of application	Direction of load application	Remarks
445	1 m	inwards	No defects
445	1 m	outwards	No defects
667	10 s	inwards	No defects
667	10 s	outwards	No defects

The test results comply with the requirements in clause 9.5 of ANSI-BIFMA X5.4-2020.

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Revision: 0
Date of sample receipt: 16/05/23
Date of test: 26/06/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
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31037 RAMON DI LORIA (TV)
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 m	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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Revision: 0
Date of sample receipt: 16/05/23
Date of test: 26/06/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
VIA GIORGIONE 2-ZONA IND.LE
31037 RAMON DI LORIA (TV)
ITALIA

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

Weight of the unit: 7 kg

Test results:

Horizontal force N	Time of application	Leg tested	Remarks
334	1 m	left	No defects
334	1 m	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: 16/05/23
Date of test: 26/06/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
VIA GIORGIONE 2-ZONA IND.LE
31037 RAMON DI LORIA (TV)
ITALIA

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

Weight of the unit: 7 kg

Test results:

Horizontal force N	Time of application	Leg tested	Remarks
334	1 m	front	No defects
334	1 m	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

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Revision: 0
Date of sample receipt: 16/05/23
Date of test: 27/06/23
Date of issue: 28/06/23



Sample name: Stool LORIA wood frame

CERANTOLA S.P.A.
VIA GIORGIONE 2-ZONA IND.LE
31037 RAMON DI LORIA (TV)
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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