

Report ID: 372888
Date of sample receipt: 11/06/24
Date of issue: 30/07/24

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

Sample name: LORIA ARMCHAIR - TRESTLE BASE

SAMPLE N° 372888

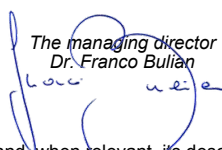
Overall dimensions: 580 x 540 x 800 (h) mm

List of test reports:

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



This document is part of a PDF file digitally signed by Franco Bulian.

*The managing director
Dr. Franco Bulian*


The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

SAMPLE N° 372888

Date of issue: 30/07/24
Sample weight: Not determined
Sample name: LORIA ARMCHAIR - TRESTLE BASE



Side view



Rear view



Bottom view

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 1

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 17/06/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

Stability test ANSI-BIFMA X5.1-2017/11(2022)

Type of chair: III

Clause 11.3.1

Rear stability for chair type III

Seat load:	60	kg	
Minimum force required :	144	N	
Measured force:	> 190	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 e 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.

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 2

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 17/06/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

Swivel test - cyclic ANSI-BIFMA X5.1-2017/8(2022)

Type of chair: Type III

Test results:

Seat load (kg)	Seat height position	Number of cycles	Remarks
122	/	120.000	No defects

Rotations per minute: 10

Rotations: bi-directional

The test results comply with the requirements in clause 8.5 of ANSI-BIFMA X5.1-2017(2022).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 3

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 26/06/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

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

Type of chair: Type III
Backrest height: < 452 mm
Backrest widths: < 406 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).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 4

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 03/07/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

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

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).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 5

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 03/07/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

Arm strength test - Horizontal-Static ANSI-BIFMA X5.1-2017/13(2022)

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).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 6

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 08/07/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

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

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).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 7

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 18/07/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

Arm durability test - cyclic ANSI-BIFMA X5.1-2017/20(2022)

Type of chair: Type III

Seat height: /

Armrest positioning: /

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).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 8

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 23/07/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

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

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).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 9

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 30/07/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

Backrest strength test - Static ANSI-BIFMA X5.1-2017/6(2022)

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).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian
[Signature]

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 10

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 30/07/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

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

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).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

372888 / 11

Revision: 0
Date of sample receipt: 11/06/24
Date of test: 30/07/24
Date of issue: 30/07/24



Sample name: LORIA ARMCHAIR - TRESTLE BASE

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

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

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).

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.