

Date received: 02/09/20

Date of issue: 08/10/20

Report consists of 12 test reports.

Defects before testing: None

Sample name: SELENA A chair tubolar Ø18 H46 2020

DIPIPLAST S.R.L.
VIA DELL'IMPRESA 18/1
31033 CASTELFRANCO VENETO (TV)
ITALIA

SAMPLE N° 296094

Overall dimensions: 480 x 530 x 805 (h) mm

List of test reports:

1. Safety requirements EN 16139:2013+AC:2013
2. Information for use EN 16139:2013+AC:2013
3. Seat and back static load test EN 1728:2012+AC:2013
4. Vertical load on back rest EN 1728:2012+AC:2013
5. Seat and back fatigue test EN 1728:2012+AC:2013
6. Seat front edge durability test EN 1728:2012+AC:2013
7. Leg forward static load test EN 1728:2012+AC:2013
8. Leg sideways static load test EN 1728:2012+AC:2013
9. Seat impact test EN 1728:2012+AC:2013
10. Back impact test EN 1728:2012+AC:2013
11. Stability - EN 1022:2005
12. Stability EN 1022:2018, clause 7.3



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Managing Director
Dr. Andrea Giavon

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SAMPLE N° 296094

Date of issue: 08/10/20
Sample weight: Not determined
Sample name: SELENA A chair tubolar Ø18 H46 2020



Side view



Rear view



Bottom view

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TEST REPORT

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Revision: 0
Date received: 02/09/20
Date of test: 07/09/20
Date of issue: 08/10/20



DIPIPLAST S.R.L.
VIA DELL'IMPRESA 18/1
31033 CASTELFRANCO VENETO (TV)
ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Safety requirements EN 16139:2013+AC:2013

Safety requirements clause 4

| Statement checked | Remarks |
|--|--|
| Corner and edges in contact with the users: • Absence of sharp edges and corners | Yes |
| Edges on the handles: • Absence of sharp edges and corners in the direction of the force | Handles not present |
| Other edges: • Absence of sharp edges and corners | Yes |
| Accessible hollow components: • The ends of hollow components are closed or capped | Yes |
| Movable and adjustable parts: • It shall not be possible for any movable and adjustable part of the chair to come operate unintentionally. | Movable and adjustable parts not present |
| Connections between parts of the structure: • It shall not be possible for any load bearing part of the seating to come loose unintentionally | No |
| Parts which are lubricated: • All the parts which are lubricated shall be designed to protect users | Lubricated parts not present |
| Shear and squeeze points between movable parts $\geq 8 \text{ mm} \leq 25 \text{ mm}$: • Shear and squeeze points under influence of powered mechanism • Shear and squeeze points during normal use and during normal movements and actions | Mechanism not present No |
| Conformity to clauses 4.1 and 4.2 of standard EN 16139:2013+AC:2013: | YES |

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TEST REPORT

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DIPIPLAST S.R.L.
VIA DELL'IMPRESA 18/1
31033 CASTELFRANCO VENETO (TV)
ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Information for use EN 16139:2013+AC:2013

Information for use clause 7

| Statement checked | Remarks |
|--|------------------------------------|
| Information for use in the language of the country in which the chair will be delivered to the end user | Italian language |
| Information regarding the intended use (Annex B of EN 16139:2013+AC:2013) | Present |
| Instruction for operating the adjusting mechanisms, where applicable | Not applicable |
| Assembly instructions, where applicable | Present |
| Instruction for the care and the maintenance of the chair | Present |
| Information on the choice of castors in relation to the floor surface if the chair is fitted | Castors not present |
| Advice that only trained personnel may replace or repair seat height adjustment components with energy accumulators if the chair is fitted | Seat height adjustment not present |
| Conformity to clause 7 of standard EN 16139:2013+AC:2013: | YES |

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TEST REPORT

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DIPIPLAST S.R.L.
VIA DELL'IMPRESA 18/1
31033 CASTELFRANCO VENETO (TV)
ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Seat and back static load test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Seat and back static load test, clause 6.4, EN 1728:2012+AC:2013

Test results:

| Seat load N | Back force N | Number of cycles | Remarks |
|----------------|-----------------|---------------------|------------|
| 1.600 | 500 | 10 | No defects |

Note:

According to EN 1728:2012+AC:2013, back force has been reduced from 560 N to 500 N to avoid tipping.

Seat front edge static load, clause 6.5, EN 1728:2012+AC:2013

| Seat load N | Number of cycles | Remarks |
|----------------|---------------------|------------|
| 1.300 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 1.

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TEST REPORT

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DIPIPLAST S.R.L.
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ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Vertical load on back rest EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Vertical static load on back rest clause 6.6, EN 1728:2012+AC:2013

Test results:

| Seat load N | Downwards force N | Number of applications | Remarks |
|-------------|-------------------|------------------------|------------|
| 1.300 | 600 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 1.

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TEST REPORT

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Date of test: 09/09/20
Date of issue: 08/10/20



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31033 CASTELFRANCO VENETO (TV)
ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Seat and back fatigue test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Seat and back fatigue test, clause 6.17, EN 1728:2012+AC:2013

Test results:

| Seat force N | Back force N | Number of cycles | Remarks |
|-----------------|-----------------|---------------------|------------|
| 1.000 | 300 | 100.000 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 1.

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31033 CASTELFRANCO VENETO (TV)
ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Seat front edge durability test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Seat front edge durability test clause 6.18, EN 1728:2012+AC:2013

Test results:

| Points of application | Seat force N | Number of cycles | Remarks |
|--|--------------|------------------|------------|
| 100 mm back from the front and sides edges | 800 | 50.000 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 1.

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TEST REPORT

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DIPIPLAST S.R.L.
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ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Leg forward static load test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Leg forward static load test clause 6.15, EN 1728:2012+AC:2013

Test results:

| Forward horizontal force N | Balancing seat force N | Number of cycles | Remarks |
|----------------------------|------------------------|------------------|------------|
| 500 | 1.000 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 1.

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ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Leg sideways static load test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Leg sideways static load test clause 6.16, EN 1728:2012+AC:2013

Test results:

| Sideways horizontal force N | Balancing seat force N | Number of cycles | Remarks |
|--------------------------------|---------------------------|------------------|------------|
| 400 | 1.000 | 10 | No defects |

Note:

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TEST REPORT

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31033 CASTELFRANCO VENETO (TV)
ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Seat impact test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Seat impact test clause 6.24, EN 1728:2012+AC:2013

Test results:

| Mass of impactor kg | Height of drop mm | Impact point | Number of drops | Remarks |
|---------------------|-------------------|---------------------------------|-----------------|------------|
| 25 | 240 | point A | 10 | No defects |
| 25 | 240 | 100 mm from the front seat edge | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 1.

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TEST REPORT
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VIA DELL'IMPRESA 18/1
31033 CASTELFRANCO VENETO (TV)
ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Back impact test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Back impact test clause 6.25, EN 1728:2012+AC:2013

Test results:

| Angle | Mass of impactor kg | Number of cycles | Remarks |
|-------|---------------------|------------------|------------|
| 38 | 6,5 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 1.

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TEST REPORT

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DIPIPLAST S.R.L.
VIA DELL'IMPRESA 18/1
31033 CASTELFRANCO VENETO (TV)
ITALIA

Sample name: SELENA A chair tubolar Ø18 H46 2020

Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 168 N

Forwards overturning

Horizontal force : 20 N does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : 168 N does not overturn

Tilting chair in the rearmost position

Loading discs on the seat : /

Sideways overturning for chairs with arms

Horizontal force : /

Sideways overturning for chairs without arms

Horizontal force : 20 N does not overturn

Forwards overturning for chairs with footrest

Horizontal force : /

The test result complies with the requirements of EN 1022:2005

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TEST REPORT
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31033 CASTELFRANCO VENETO (TV)
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Sample name: SELENA A chair tubolar Ø18 H46 2020

Stability EN 1022:2018, clause 7.3

Type of chair: fixed geometry

Positioning of chair components: as specified in Table 1 of EN 1022:2018

Loads and masses according to table B1 of EN 1022:2018, annex B

Forwards overturning

Forwards overturning, clause 7.3.1 : does not overturn

Forwards overturning for seating with foot rest, clause 7.3.2 : /

Corner stability, clause 7.3.3 : does not overturn

Sideways overturning

Sideways overturning, all seating without arm rests, clause 7.3.4 : does not overturn

Seating with arm rests, clause 7.3.5.2 : /

Seating with raised side edges, clause 7.3.5.3 : /

Rearwards overturning

Rearwards overturning all seating with back rests, clause 7.3.6

Minimum force required: 168 N : does not overturn

Tilting seating, clause 7.4.2 : /

Reclining seating with leg rest, clause 7.4.3 : /

Reclining seating without leg rest, clause 7.4.4 : /

Rearwards stability test for rocking chairs, clause 7.4.5 : /

The test results comply with the requirements in clause 7.2 of EN 1022:2018.

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