

Date received: 09/01/19

Date of issue: 24/01/19

Report consists of 12 test reports.

Defects before testing: None

Sample name: Sgabello / Stool Abuela

GABER S.R.L.  
VIA SCHIAVONESCA 75/1  
31030 CASELLE DI ALTIVOLE (TV)  
ITALIA

## SAMPLE N° 264246

Overall dimensions: 485 x 475 x 1015 (h) mm

### List performed tests:

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. Foot rest static load test 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. Foot rest durability test EN 1728:2012+AC:2013
8. Leg forward static load test EN 1728:2012+AC:2013
9. Leg sideways static load test EN 1728:2012+AC:2013
10. Seat impact test EN 1728:2012+AC:2013
11. Back impact test EN 1728:2012+AC:2013
12. Stability - EN 1022:2005



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Managing Director  
Dr. Andrea Giavon

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## SAMPLE N° 264246

Date of issue: 24/01/19  
Sample weight: Not determined  
Sample name: Sgabello / Stool Abuela



Side view



Rear view



Bottom view

TEST REPORT

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**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	Yes
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
<b>Conformity to clauses 4.1 and 4.2 of standard EN 16139:2013:</b>	<b>YES</b>

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TEST REPORT

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**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)	Present
Instruction for operating the adjusting mechanisms, where applicable	Not applicable
Assembly instructions, where applicable	Not applicable
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
<b>Conformity to clause 7 of standard EN 16139:2013:</b>	<b>YES</b>

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TEST REPORT

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GABER S.R.L.  
VIA SCHIAVONESCA 75/1  
31030 CASELLE DI ALTIVOLE (TV)  
ITALIA

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

**Test performed according to EN 16139:2013**

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	440	10	No defects

Note:

According to EN 1728:2012, back force has been reduced from 560 N to 440 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, level 1.

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**TEST REPORT**

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Sample name: Sgabello / Stool Abuela

GABER S.R.L.  
VIA SCHIAVONESCA 75/1  
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**Foot rest static load test EN 1728:2012+AC:2013**

**Test performed according to EN 16139:2013**

Foot rest static load test, clause 6.8, EN 1728:2012+AC:2013

Test results:

Force on foot rest 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, level 1.

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*Mauro Director*  
Dr. Andrea Giavon

TEST REPORT

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GABER S.R.L.  
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**Seat and back fatigue test EN 1728:2012+AC:2013**

**Test performed according to EN 16139:2013**

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, level 1.

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TEST REPORT

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GABER S.R.L.  
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**Seat front edge durability test EN 1728:2012+AC:2013**

**Test performed according to EN 16139:2013**

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, level 1.

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*Dr. Andrea Giavon*



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Date received: 09/01/19  
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Sample name: Sgabello / Stool Abuela

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**Foot rest durability test EN 1728:2012+AC:2013**

**Test performed according to EN 16139:2013**

Foot rest durability test clause 6.21, EN 1728:2012+AC:2013

Test results:

Force on footrest N	Number of cycles	Remarks
1.000	50.000	No defects

Note:

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

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GABER S.R.L.  
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**Leg forward static load test EN 1728:2012+AC:2013**

**Test performed according to EN 16139:2013**

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
320	1.000	10	No defects

**Note:**

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

According to EN 1728:2012, horizontal force has been reduced from 500 N to 320 N, to avoid tipping.

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

**Test performed according to EN 16139:2013**

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
220	1.000	10	No defects

Note:

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

According to EN 1728:2012, horizontal force has been reduced from 400 N to 220 N, to avoid tipping.

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Managing Director  
Dr. Andrea Giavon

TEST REPORT

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GABER S.R.L.  
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**Seat impact test EN 1728:2012+AC:2013**

**Test performed according to EN 16139:2013**

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 edge of the seat	10	No defects

Note:

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

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Manager, Director  
Dr. Andrea Giavon

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**Back impact test EN 1728:2012+AC:2013**

**Test performed according to EN 16139:2013**

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, level 1.

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Dr. Andrea Giavon

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GABER S.R.L.  
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31030 CASELLE DI ALTIVOLE (TV)  
ITALIA

**Stability - EN 1022:2005**

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 80 N

**Forwards overturning**

Horizontal force : 20 N does not overturn

**Rearwards overturning**

Fixed back chair

Horizontal force : 80 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 : 20 N does not overturn

The test results comply with the requirements of EN 1022:2005.

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Managing Director  
Dr. *Andrea Giavon*