

CATAS S.p.A. via Antica, 24/3 33048 San Giovanni al Natisone (UD) +39 0432 747211 - lab@catas.com www.catas.com

Date received:	22/10/19		
Date of issue:	08/11/19		
Report consists of 11 test reports.			
Defects before testing: None			
Sample name:	NUTA		

GABER S.R.L. VIA TONIOLO 26 31030 CASELLE DI ALTIVOLE (TV) ITALIA

# **SAMPLE N° 279933**

Overall dimensions: 505 x 550 x 785 (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
- 10. Back Impact lest EN 1720.201
- 11. Stability EN 1022:2005



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naging Director Þ Andrea Giavon



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# **SAMPLE N° 279933**

Date of issue: Sample weight: Sample name: 08/11/19 Not determined NUTA



Side view



Rear view



Bottom view



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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:	
<ul> <li>It shall not be possible for any movable and adjustable part of the chair to come operate unintentionally.</li> </ul>	Movable and adjustable parts not present
Connections between parts of the structure:	
<ul> <li>It shall not be possible for any load bearing part of the seating to come loose unintentionally</li> </ul>	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 $\ge 8 \text{ mm} \le 25 \text{ mm}$ :	
Shear and squeeze points under influence of powered mechanism	Mechanism not present
<ul> <li>Shear and squeeze points during normal use and during normal movements and actions</li> </ul>	No
Conformity to clauses 4.1 and 4.2 of standard EN 16139:2013+AC:2013:	YES
L	1

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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+AC: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

Conformity to clause 7 of standard EN 16139:2013+AC:2013:

YES

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GABER S.R.L. VIA TONIOLO 26 31030 CASELLE DI ALTIVOLE (TV) ITALIA

### 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
1.600 440 10		10	No defects

Note:

According to EN 1728:2012+AC:2013, 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+AC:2013, level 1.

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GABER S.R.L. VIA TONIOLO 26 31030 CASELLE DI ALTIVOLE (TV) ITALIA

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

Test performed according to EN 16139:2013+AC:2013 / EN 12727:2016

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

Test results:

		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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GABER S.R.L. VIA TONIOLO 26 31030 CASELLE DI ALTIVOLE (TV) ITALIA

# 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 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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GABER S.R.L. VIA TONIOLO 26 31030 CASELLE DI ALTIVOLE (TV) ITALIA

# 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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# 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
450	1.000	10	No defects

Note:

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

According to EN 1728:2012+AC:2013, horizontal force has been reduced from 500 N to 450 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+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
380	1.000	10	No defects

Note:

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

According to EN 1728:2012+AC:2013, horizontal force has been reduced from 400 N to 380 N, to avoid tipping.

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Managing Director Dr. Andrea Giavon



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# 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	at 100 mm to the front edge of the seat	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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# 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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Date received:

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### Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 163 N

Forwards overturning Horizontal force	:	20 N	does not overturn
Rearwards overturning			
Fixed back chair			
Horizontal force	:	163 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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