

Date received: 29/05/14

Date of issue: 17/06/14

Report consists of 11 test reports.

Defects before testing: None

Sample name: SHARKY

KRISTALIA S.R.L.  
VIA CALDERANO 5  
33070 BRUGNERA (PN)  
ITALIA

## SAMPLE N° 177535

Overall dimensions: 450 x 500 x 810 (h) mm

### List performed tests:

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



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Managing Director  
Dr. Andrea Giavan

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## SAMPLE N° 177535

Date of issue: 17/06/14  
Sample weight: Not determined  
Sample name: SHARKY



Side view



Rear view



Bottom view

## TEST REPORT

**177535 / 1**

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## Safety requirements EN 16139:2013

### 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 corners	Yes
Accessible hollow components: • The ends of hollow components are closed or capped	Yes
Movable and adjustable parts: • It shall not 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 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 $\geq 7 \text{ mm} \leq 18 \text{ mm}$ : • 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:	<b>YES</b>

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## TEST REPORT

**177535 / 2**

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## Information for use EN 16139:2013

### 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

Conformity to clause 7 of standard EN 16139:2013:

**YES**

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**177535 / 3**

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## Seat and back static load test EN 1728:2012

### Seat and back static load test, clause 6.4

#### Test results:

Seat load N	Back force N	Number of cycles	Remarks
2.000	700	10	No defects

### Seat front edge static load, clause 6.5

Seat load N	Number of cycles	Remarks
1.600	10	No defects

#### Note:

The test has been carried out according to table 1 of EN 16139:2013, level L2 - extreme.

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## TEST REPORT

**177535 / 4**

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## Vertical load on back rest EN 1728:2012

Vertical static load on back rest clause 6.6

Test results:

Seat load N	Downwards force N	Number of applications	Remarks
1.800	900	10	No defects

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L2 - extreme.

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## Seat and back fatigue test EN 1728:2012

Seat and back fatigue test, clause 6.17

Test results:

Seat force N	Back force N	Number of cycles	Remarks
1.000	300	200.000	No defects

Note:

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## TEST REPORT

**177535 / 6**

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Date of test: 10/06/14

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## Seat front edge durability test EN 1728:2012

Seat front edge durability test clause 6.18

Test results:

Points of application	Seat force N	Number of cycles	Remarks
100 mm back from the front edge	800	100.000	No defects

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L2 - extreme.

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## TEST REPORT

**177535 / 7**

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## Leg forward static load test EN 1728:2012

Leg forward static load test clause 6.15

Test results:

Forward horizontal force N	Balancing seat force N	Number of cycles	Remarks
620	1.800	10	No defects

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L2 - extreme.

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## Leg sideways static load test EN 1728:2012

Leg sideways static load test clause 6.16

### Test results:

Sideways horizontal force N	Balancing seat force N	Number of cycles	Remarks
650	1.800	10	No defects

### Note:

According to EN 1728:2012, horizontal force has been reduced from 760 N to 650 N, to avoid tipping.

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**TEST REPORT**

**177535 / 9**

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**Seat impact test EN 1728:2012**

Seat impact test clause 6.24

Test results:

Mass of impactor kg	Height of drop mm	Number of drops	Remarks
25	300	10	No defects

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L2 - extreme.

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## Back impact test EN 1728:2012

Back impact test clause 6.25

Test results:

Angle	Mass of impactor kg	Number of cycles	Remarks
48	6,5	10	No defects

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L2 - extreme.

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**Stability - EN 1022:2005**

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 166 N

**Forwards overturning**

Horizontal force : 20 N does not overturn

**Rearwards overturning**

Fixed back chair

Horizontal force : 166 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 : /

Test passed

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