

Date received: 20-01-10  
Date of issue: 29-01-10  
Report consists of 7 attached sheets.  
Defects before testing: None  
Sample name: Sedia REST

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

## TEST REPORT N° 112595

### List performed tests

1. Outdoor furniture - General safety requirements EN 581-1:2006
2. Seat and back static load test EN 1728:2000
3. Seat and back fatigue test EN 1728:2000
4. Leg forward static load test EN 1728:2000
5. Leg sideways static load test EN 1728:2000
6. Seat impact test EN 1728:2000
7. Stability - EN 1022:2005



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*Managing Director  
Dr. Andrea Giavon*

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## TEST REPORT N° 112595

Date of issue: 29-01-10  
Sample weight / KG (\*)  
Overall dimensions 530 x 650 x 790 (height) mm (\*)  
Sample name: Sedia REST



Side view.



Rear view.



Bottom view.

(\*) Extended uncertainties of mass and linear measurements are 0,1 Kg and 5 mm respectively

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## TEST REPORT

# 112595 / 1

Date received: 20-01-10  
Date of test: 25-01-10  
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Sample name: Sedia REST

KRISTALIA S.R.L.  
VIA CALDERANO 5  
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ITALY

## Outdoor furniture - General safety requirements EN 581-1:2006

### 5.1 Edges and corners of parts which are directly contactable:

Requirement	Observed	Remarks
Edges and corners rounded and chamfered	Yes	None

### 5.1 Edges and corners of accessible parts:

Requirement	Observed	Remarks
Absence of sharp edges and burrs	Yes	None

### 5.2 Tubulars, holes and gaps accessible during use:

Requirement	Observed	Remarks
Capped holes and gaps if dimensions are $\geq 7$ and $\leq 12$ mm with depth $\geq 10$ mm tested with probe as specif. at point 4, applying 30 N force	Yes	None
Bottom of tubulars capped or plugged	Yes	None

### 5.3 Shear and squeeze points:

Requirement	Observed	Remarks
Absence of shear and squeeze points, created by powered mechanisms	//	//
Absence of shear and squeeze points, created by loads during normal use	Yes	None

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**TEST REPORT****112595 / 2**

Date received: 20-01-10

Date of test: 25-01-10

Date of issue: 29-01-10

Sample name: Sedia REST

KRISTALIA S.R.L.  
VIA CALDERANO 5  
33070 BRUGNERA (PN)  
ITALY**Seat and back static load test EN 1728:2000**

## Seat and back static load test, clause 6.2.1

## Test results:

Seat load N	Back force N	Number of cycles	Remarks
2.000	560	10 x 10 s	No defects
2.000	560	1 x 30 min	

## Seat front edge static load, clause 6.2.2

Seat load N	Number of cycles	Remarks
1.300	10 x 10 s	No defects
1.300	1 x 30 min	No defects

## Note:

The test has been carried out according to table 1 of EN 581-2:2009, contract level.

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**TEST REPORT****112595 / 3**

Date received: 20-01-10

Date of test: 26-01-10

Date of issue: 29-01-10

Sample name: Sedia REST

KRISTALIA S.R.L.  
VIA CALDERANO 5  
33070 BRUGNERA (PN)  
ITALY**Seat and back fatigue test EN 1728:2000**

Seat and back fatigue test, clause 6.7

Test results:

Seat force N	Back force N	Number of cycles	Remarks
1.000	370	50.000	No defects

Note:

The test has been carried out according to table 1 of EN 581-2:2009, contract level.

Bending moment to the back: 100 Nm

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**TEST REPORT****112595 / 4**

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Sample name: Sedia REST

KRISTALIA S.R.L.  
VIA CALDERANO 5  
33070 BRUGNERA (PN)  
ITALY**Leg forward static load test EN 1728:2000**

Leg forward static load test, clause 6.12

## Test results:

Forward horizontal force N	Balancing seat force kg	Number of cycles	Remarks
400	100	10	No defects

## Note:

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**TEST REPORT****112595 / 5**Date received: 20-01-10  
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Sample name: Sedia REST

KRISTALIA S.R.L.  
VIA CALDERANO 5  
33070 BRUGNERA (PN)  
ITALY**Leg sideways static load test EN 1728:2000**

Leg sideways static load test, clause 6.13

## Test results:

Sideways horizontal force N	Balancing seat force kg	Number of cycles	Remarks
300	100	10	No defects

## Note:

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**TEST REPORT****112595 / 6**

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KRISTALIA S.R.L.  
VIA CALDERANO 5  
33070 BRUGNERA (PN)  
ITALY**Seat impact test EN 1728:2000**

Seat impact test, clause 6.15

## Test results:

Mass of impactor kg	Height of drop mm	Number of drops	Remarks
25	180	10	No defects

## Note:

The test has been carried out according to table 1 of EN 581-2:2009, contract level.

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**TEST REPORT****112595 / 7**

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Sample name: Sedia REST

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