

Date received: 08/09/15

Date of issue: 01/10/15

Report consists of 7 test reports.

Defects before testing: None

Sample name: Chair ROTUS

SAVAS PLASTIK SAN. VE. TIC. A.S.
BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.
34524 ISTANBUL ()
TR – TURKEY**SAMPLE N° 201844**

Overall dimensions: 410 x 470 x 835 (h) mm

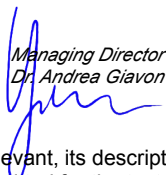
List performed tests:

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 Glavon



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SAMPLE N° 201844

Date of issue: 01/10/15
Sample weight: Not determined
Sample name: Chair ROTUS



Side view



Rear view



Bottom view

TEST REPORT

201844 / 1

Date received: 08/09/15
Date of test: 23/09/15
Date of issue: 01/10/15



Sample name: Chair ROTUS

SAVAS PLASTIK SAN. VE. TIC. A.S.
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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 ≥ 7 and ≤ 12 mm with depth ≥ 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	Mechanism not present	None
Absence of shear and squeeze points, created by loads during normal use	Yes	None

Conformity to clause 5 of standard EN 581-1:2006:	YES
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Dr. Andrea Gravon

TEST REPORT

201844 / 2

Date received: 08/09/15
Date of test: 23/09/15
Date of issue: 01/10/15



Sample name: Chair ROTUS

SAVAS PLASTIK SAN. VE. TIC. A.S.
BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.
34524 ISTANBUL
TR - TURKEY

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	No defects

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 "Outdoor furniture", contract level.

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Managing Director
Dr. Andrea Giavon

TEST REPORT**201844 / 3**Date received: 08/09/15
Date of test: 24/09/15
Date of issue: 01/10/15

Sample name: Chair ROTUS

SAVAS PLASTIK SAN. VE. TIC. A.S.
BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.
34524 ISTANBUL
TR - TURKEY**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	330	50.000	No defects

Note:

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

Bending moment to the back: 100 Nm

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TEST REPORT

201844 / 4

Date received: 08/09/15
Date of test: 01/10/15
Date of issue: 01/10/15



Sample name: Chair ROTUS

SAVAS PLASTIK SAN. VE. TIC. A.S.
BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.
34524 ISTANBUL
TR - TURKEY

Leg forward static load test EN 1728:2000

Leg forward static load test, clause 6.12

Test results:

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

Note:

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

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*Managing Director
Dr. Andrea Giavon*

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TEST REPORT**201844 / 5**Date received: 08/09/15
Date of test: 01/10/15
Date of issue: 01/10/15

Sample name: Chair ROTUS

SAVAS PLASTIK SAN. VE. TIC. A.S.
BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.
34524 ISTANBUL
TR - TURKEY**Leg sideways static load test EN 1728:2000**

Leg sideways static load test, clause 6.13

Test results:

Sideways horizontal force N	Balancing seat load kg	Number of cycles	Remarks
290	100	10	No defects

Note:

According to EN 1728:2000, horizontal force has been reduced from 300 N to 290 N, to avoid tipping.

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

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TEST REPORT

201844 / 6

Date received: 08/09/15
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Sample name: Chair ROTUS

SAVAS PLASTIK SAN. VE. TIC. A.S.
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TR - TURKEY

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 "Outdoor furniture", contract level.

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TEST REPORT**201844 / 7**Date received: 08/09/15
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Sample name: Chair ROTUS

SAVAS PLASTIK SAN. VE. TIC. A.S.
BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.
34524 ISTANBUL
TR - TURKEY**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

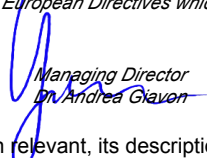
Horizontal force : 20 N does not overturn

Forwards overturning for chairs with footrest

Horizontal force : /

Test passed

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