

Date received: 17/01/19

Date of issue: 28/02/19

Report consists of 7 test reports.

Defects before testing: None

Sample name: ROMA chair

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

SAMPLE N° 265928

Overall dimensions: 420 x 480 x 940 (h) mm

List performed tests:

1. Outdoor furniture - General safety requirements EN 581-1:2017
2. Seat and back static load test EN 1728:2012+AC:2013
3. Seat and back fatigue test EN 1728:2012+AC:2013
4. Leg forward static load test EN 1728:2012+AC:2013
5. Leg sideways static load test EN 1728:2012+AC:2013
6. Seat impact test EN 1728:2012+AC:2013
7. Stability - EN 1022:2005



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Managing Director
Dr. Andrea Giavon

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SAMPLE N° 265928

Date of issue: 28/02/19
Sample weight: Not determined
Sample name: ROMA chair



Side view



Rear view



Bottom view

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TEST REPORT

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Outdoor furniture - General safety requirements EN 581-1:2017

5.1 General:

| Requirement | Observed | Remarks |
|--|-------------|---------|
| Edges of seat, back rest and arm rests rounded and chamfered | Yes | None |
| All other parts: free from burrs, sharp edges and sharp points. | Yes | None |
| Movable and adjustable parts designed so that injuries and inadvertent operation are avoided | Not present | None |
| Any load bearing part of furniture not come loose unintentionally | Yes | None |
| Lubricated parts are protected | Not present | None |

5.2 Tubular components:

| Requirement | Observed | Remarks |
|--|----------|---------|
| Absence of tubular components with diameter > 7 mm and < 12 mm with a depth > 10 mm. | Yes | None |
| Tubulars in contact with the floor are closed. Holes in them are allowed as long as they are < 7 mm or > 12 mm | Yes | None |

5.3 Shear and squeeze points:

| Requirement | Observed | Remarks |
|---|-------------|---------|
| Shear and squeeze points that are created only during adjusting and folding away are acceptable if the user has the control of his/her movements. | Not present | None |
| Absence of shear and squeeze points, created by parts operated by powered mechanism. | Not present | None |
| Absence of shear and squeeze points, created by loads applied during normal use. | Yes | None |

Conformity to requirements of clause 5 of standard EN 581-1:2017:

YES

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TEST REPORT

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

Test performed according to EN 581-2:2015

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 |
|----------------|-----------------|---------------------|------------|
| 2.000 | 520 | 10 x 10 s | No defects |
| 2.000 | 520 | 1 x 30 min | No defects |

Note:

According to EN 1728:2012, back force has been reduced from 560 N to 520 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 7.2.2 of EN 581-2:2015, contract level.

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TEST REPORT

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Seat and back fatigue test EN 1728:2012+AC:2013

Test performed according to EN 581-2:2015

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 | 50.000 | No defects |

Note:

According to EN 1728:2012, back force has been reduced from 333 N to 300 N to avoid tipping.

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015, contract level.

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TEST REPORT

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SAVAS PLASTIK SAN. VE. TIC. A.S.
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Leg forward static load test EN 1728:2012+AC:2013

Test performed according to EN 581-2:2015

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 |
|-------------------------------|---------------------------|------------------|------------|
| 400 | 1.000 | 10 | No defects |

Note:

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

Test performed according to EN 581-2:2015

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 |

x evit il rib

Note:

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*Managing Director
Dr. Andrea Giaven*

TEST REPORT

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Seat impact test EN 1728:2012+AC:2013

Test performed according to EN 581-2:2015

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 | geometric centre of seating position | 10 | No defects |

Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015, contract level.

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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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