

Date received: 09/06/20

Date of issue: 13/07/20

Report consists of 8 test reports.

Defects before testing: None

Sample name: Bar Chair SOZO

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

## SAMPLE N° 291570

Overall dimensions: 470 x 520 x 770 (h) mm

### List of test reports:

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



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Managing Director  
Dr. Andrea Giavon

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## SAMPLE N° 291570

Date of issue: 13/07/20  
Sample weight: Not determined  
Sample name: Bar Chair SOZO



Side view



Rear view



Bottom view

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TEST REPORT

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Revision: 0  
Date received: 09/06/20  
Date of test: 15/06/20  
Date of issue: 13/07/20



Sample name: Bar Chair SOZO

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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                                 | No       | Presence of not rounded edges on the seat            |
| All other parts: free from burrs, sharp edges and sharp points.                              | Yes      | Presence of sharp edges on the seat and on the frame |
| Movable and adjustable parts designed so that injuries and inadvertent operation are avoided | Yes      | None   |
| Any load bearing part of furniture not come loose unintentionally                            | Yes      | None   |
| Lubricated parts are protected   | Yes      | 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. | Yes      | None    |
| Absence of shear and squeeze points, created by parts operated by powered mechanism.  | Yes      | 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:

**NO**

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**TEST REPORT**

**291570 / 2**

Revision: 0  
Date received: 09/06/20  
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Sample name: Bar Chair SOZO

SAVAS PLASTIK SAN. VE. TIC. A.S.  
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**Stability - EN 1022:2005**

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 80 N

**Forwards overturning**

Horizontal force : 20 N does not overturn

**Rearwards overturning**

Fixed back chair

Horizontal force : 80 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 : 0 N overturns with vertical force only

The test result does not comply with the requirements of EN 1022:2005

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**TEST REPORT**

**291570 / 3**

Revision: 0  
Date received: 09/06/20  
Date of test: 29/06/20  
Date of issue: 13/07/20



Sample name: Bar Chair SOZO

SAVAS PLASTIK SAN. VE. TIC. A.S.  
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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       | 560          | 10 x 10 s        | No defects |
| 2.000       | 560          | 1 30 min         | No defects |

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 a), b), c) and d) of EN 581-2:2015, contract level.

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**TEST REPORT**

**291570 / 4**

Revision: 0  
Date received: 09/06/20  
Date of test: 03/07/20  
Date of issue: 13/07/20



Sample name: Bar Chair SOZO

SAVAS PLASTIK SAN. VE. TIC. A.S.  
BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.  
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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<br>N | Back force<br>N | Number<br>of cycles | Remarks    |
|-----------------|-----------------|---------------------|------------|
| 1.000           | 310             | 50.000              | No defects |

Note:

According to EN 1728:2012+AC:2013, back force has been reduced from 333 N to 310 N to avoid tipping.

The test results comply with the requirements in clause 7.2.2 a), b), c) and d) of EN 581-2:2015, contract level.

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**TEST REPORT**

**291570 / 5**

Revision: 0  
Date received: 09/06/20  
Date of test: 08/07/20  
Date of issue: 13/07/20



Sample name: Bar Chair SOZO

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    |
|----------------------------|------------------------|------------------|------------|
| 290                        | 1.000                  | 10               | No defects |

Note:

According to EN 1728:2012+AC:2013, horizontal force has been reduced from 400 N to 290 N, to avoid tipping.

The test results comply with the requirements in clause 7.2.2 a), b), c) and d) of EN 581-2:2015, contract level.

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**TEST REPORT**

**291570 / 6**

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SAVAS PLASTIK SAN. VE. TIC. A.S.  
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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<br>N | Balancing seat force<br>N | Number of cycles | Remarks    |
|--------------------------------|---------------------------|------------------|------------|
| 180                            | 1.000                     | 10               | No defects |

**Note:**

According to EN 1728:2012+AC:2013, horizontal force has been reduced from 300 N to 180 N, to avoid tipping.

The test results comply with the requirements in clause 7.2.2 a), b), c) and d) of EN 581-2:2015, contract level.

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**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               | 100 mm from the front seat edge | 10              | No defects |

**Note:**

The test results comply with the requirements in clause 7.2.2 a), b), c) and d) of EN 581-2:2015, contract level.

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**TEST REPORT**

**291570 / 8**

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Sample name: Bar Chair SOZO

SAVAS PLASTIK SAN. VE. TIC. A.S.  
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**Foot rest static load test EN 1728:2012+AC:2013**

**Test performed according to EN 581-2:2015**

Foot rest static load test, clause 6.8, EN 1728:2012+AC:2013

Test results:

| Force on foot rest<br>N | Number of cycles | Remarks    |
|-------------------------|------------------|------------|
| 1.200                   | 10               | No defects |

Note:

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