

Date received: 16/07/18

Date of issue: 31/07/18

Report consists of 7 test reports.

Defects before testing: None

Sample name: MAX chair

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

## SAMPLE N° 255150

Overall dimensions: 510 x 520 x 820 (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

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

## SAMPLE N° 255150

Date of issue: 31/07/18  
Sample weight: Not determined  
Sample name: MAX chair



Side view



Rear view



Bottom view

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TEST REPORT

255150 / 1

Date received: 16/07/18  
Date of test: 23/07/18  
Date of issue: 31/07/18  
Sample name: MAX chair



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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	Presence of seat and back edges not rounded and chamfered (see page 2/2).
All other parts: free from burrs, sharp edges and sharp points.	Yes	Presence of burrs on seat and back edges (see page 2/2).
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 tubulat 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:

**NO**

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*Dr. Andrea Giavon*

TEST REPORT

**255150 / 1**

Date of issue:

31/07/18

Sample name:

MAX chair

Detail of defect:



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Managing Director  
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TEST REPORT

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Date received: 16/07/18  
Date of test: 23/07/18  
Date of issue: 31/07/18  
Sample name: MAX chair



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

Seat and back static load test, clause 6.4

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 6.5

Seat load N	Number of cycles	Remarks
1.300	10	No defects

Note:

The test has been carried out according to table 2 of EN 581-2:2015, contract level.

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TEST REPORT

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Date received: 16/07/18  
Date of test: 24/07/18  
Date of issue: 31/07/18  
Sample name: MAX chair



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

Seat and back fatigue test, clause 6.17

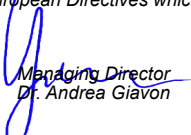
Test results:

Seat force N	Back force N	Number of cycles	Remarks
1.000	333	50.000	No defects

Note:

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TEST REPORT

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Date received: 16/07/18  
Date of test: 30/07/18  
Date of issue: 31/07/18  
Sample name: MAX chair



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

Leg forward static load test clause 6.15

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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TEST REPORT

255150 / 5

Date received: 16/07/18  
Date of test: 30/07/18  
Date of issue: 31/07/18  
Sample name: MAX chair



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

Leg sideways static load test clause 6.16

Test results:

Sideways horizontal force N	Balancing seat force N	Number of cycles	Remarks
300	1.000	10	No defects

Note:

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TEST REPORT

255150 / 6

Date received: 16/07/18  
Date of test: 31/07/18  
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**Seat impact test EN 1728:2012+AC:2013**

Seat impact test clause 6.24

Test results:

Mass of impactor kg	Height of drop mm	Number of drops	Remarks
25	240	10	No defects

Note:

The test has been carried out according to table 2 of EN 581-2:2015, contract level.

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TEST REPORT

255150 / 7

Date received: 16/07/18  
Date of test: 31/07/18  
Date of issue: 31/07/18  
Sample name: MAX chair



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**Stability - EN 1022:2005**

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 171 N

**Forwards overturning**

Horizontal force : 20 N does not overturn

**Rearwards overturning**

Fixed back chair

Horizontal force : 171 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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