

Date of receipt: 28/10/21

Date of issue: 23/11/21

Report consists of 8 test reports.

Defects before testing: None

Sample name: Shell - N

SAVAS PLASTIK SAN. VE. TIC. A.S.

BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.

34524 ISTANBUL TR - TURKEY

SAMPLE N° 319069

Overall dimensions: 480 x570 x 790 (h) mm

List of test reports:

- 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
- 8. Stability EN 1022:2018, clause 7.3



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The managing director
Dr. Franco Bulian



SAMPLE N° 319069

Date of issue: 23/11/21

Sample weight: Not determined

Sample name: Shell - N



Side view



Bottom view



Rear view



Testing site: via Antica, 24/3 33048 San Giovanni al Nat. (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 L Membro degli MRA EA, IAF e ILAC

TEST REPORT 319069 / 1

Revision: 0

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 28/10/21

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

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 forniture 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.	None	
Conformity to requirements of clause 5 of standard E	YES	

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TEST REPORT 319069 / 2

Revision: 0

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Sample name: Shell - N



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 1728:2012+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	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, 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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 Date of issue:
 23/11/21

Sample name: Shell - N



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 1728:2012+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	Back force	Number	Remarks
N	N	of cycles	
1.000	280	50.000	No defects

Note:

According to EN 1728:2012+AC:2013, back force has been reduced from 333 N to 280 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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LAB N° 0027 L Membro degli MRA EA, IAF e ILAC

TEST REPORT

319069 / 4 Revision: 0

 Date of receipt:
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 Date of test:
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 Date of issue:
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Sample name: Shell - N



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 1728:2012+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:

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

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LAB N° 0027 L Membro degli MRA EA, IAF e ILAC

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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 1728:2012+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
300	1.000	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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SAVAS PLASTIK SAN. VE. TIC. A.S. BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY. 34524 ISTANBUL TR - TURKEY

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	seat loading point (A)	10	No defects
25	240	on the longitudinal axis, 100 mm from the front seat edge	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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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 : /

The test result complies with the requirements of EN 1022:2005

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LAB N° 0027 L Membro degli MRA EA, IAF e ILAC

TEST REPORT 319069 / 8

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

Stability EN 1022:2018, clause 7.3

Type of chair: fixed geometry

Positioning of chair components: as specified in Table 1 of EN 1022:2018

Loads and masses according to table B1 of EN 1022:2018, annex B

Forwards overturning

Forwards overturning, clause 7.3.1 : does not overturn

Forwards overturning for seating with foot rest, clause 7.3.2 : /

Corner stability, clause 7.3.3 : does not overturn

Sideways overturning

Sideways overturning, all seating without arm rests, clause 7.3.4 : does not overturn

Seating with arm rests, clause 7.3.5.2 : /
Seating with raised side edges, clause 7.3.5.3 : /

Rearwards overturning

Rearwards overturning all seating with back rests, clause 7.3.6

Minimum force required: 166 N : does not overturn

Tilting seating, clause 7.4.2 : /
Reclining seating with leg rest, clause 7.4.3 : /
Reclining seating without leg rest, clause 7.4.4 : /
Rearwards stability test for rocking chairs, clause 7.4.5 : /

The test results comply with the requirements in clause 7.2 of EN 1022:2018.

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