

Date received: 08/09/15

Date of issue: 12/10/15

Report consists of 9 test reports.

Defects before testing: None

Sample name: Armchair MARS

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

SAMPLE N° 201836

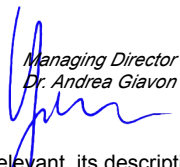
Overall dimensions: 585 x 480 x 800(h) mm

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. Arm downwards static load test EN1728:2000
5. Arm fatigue test EN 1728:2000
6. Leg forward static load test EN 1728:2000
7. Leg sideways static load test EN 1728:2000
8. Seat impact test EN 1728:2000
9. Stability - EN 1022:2005



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Managing Director
Dr. Andrea Giavon


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SAMPLE N° 201836

Date of issue: 12/10/15
Sample weight: Not determined
Sample name: Armchair MARS



Side view



Rear view



Bottom view

TEST REPORT

201836 / 1

Date received: 08/09/15
Date of test: 29/09/15
Date of issue: 12/10/15



Sample name: Armchair MARS

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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TEST REPORT

201836 / 2

Date received: 08/09/15
Date of test: 01/10/15
Date of issue: 12/10/15



Sample name: Armchair MARS

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

201836 / 3

Date received: 08/09/15
 Date of test: 01/10/15
 Date of issue: 12/10/15



Sample name: Armchair MARS

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**201836 / 4**

Date received: 08/09/15

Date of test: 05/10/15

Date of issue: 12/10/15

Sample name: Armchair MARS

SAVAS PLASTIK SAN. VE. TIC. A.S.
BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.
34524 ISTANBUL
TR - TURKEY**Arm downwards static load test EN1728:2000**

Arm downwards static load test, clause 6.6


Test results:

Vertical force N	Number of applications	Remarks
900	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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Marketing Director
Dr. Andrea Glavon

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TEST REPORT**201836 / 5**Date received: 08/09/15
Date of test: 05/10/15
Date of issue: 12/10/15

Sample name: Armchair MARS

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

Arm fatigue test, clause 6.10

Test results:

Load on arm rest N	Number of cycles	Remarks
400	30.000	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

201836 / 6

Date received: 08/09/15
 Date of test: 09/10/15
 Date of issue: 12/10/15



Sample name: Armchair MARS

SAVAS PLASTIK SAN. VE. TIC. A.S.
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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
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TEST REPORT**201836 / 7**Date received: 08/09/15
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Sample name: Armchair MARS

SAVAS PLASTIK SAN. VE. TIC. A.S.
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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
300	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

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TEST REPORT**201836 / 8**Date received: 08/09/15
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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 1728:2000**

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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Managing Director
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TEST REPORT**201836 / 9**Date received: 08/09/15
Date of test: 29/09/15
Date of issue: 12/10/15

Sample name: Armchair MARS

SAVAS PLASTIK SAN. VE. TIC. A.S.
BEYSAN SAN. SIT. BIRLIK CAD. NO: 18-BEY.
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TR - TURKEY**Stability - EN 1022:2005**

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 170 N

Forwards overturning

Horizontal force : 20 N does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : 170 N does not overturn

Tilting chair in the rearmost position

Loading discs on the seat : /

Sideways overturning for chairs with arms

Horizontal force : 20 N does not overturn

Sideways overturning for chairs without arms

Horizontal force : /

Forwards overturning for chairs with footrest

Horizontal force : /

Test passed

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