

Date received: 29/06/18

Date of issue: 20/07/18

Report consists of 8 test reports.

Defects before testing: None

Sample name: GRANA chair

SP BERNER PLASTIC GROUP, S.L.
CAMINO DE LA LLOMA 35
46960 ALDAYA ()
ES – ESPANA
IKEA Supplier n° 18809

SAMPLE N° 254414

Overall dimensions: 450 x 530 x 800 (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. Seat front edge durability 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. Stability - EN 1022:2005



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Managing Director
Dr. Andrea Giavon

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SAMPLE N° 254414

Date of issue: 20/07/18
Sample weight: Not determined
Sample name: GRANA chair



Side view



Rear view



Bottom view

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TEST REPORT

254414 / 1

Date received: 29/06/18

Date of test: 05/07/18

Date of issue: 20/07/18

Sample name: GRANA chair



SP BERNER PLASTIC GROUP, S.L.
CAMINO DE LA LLOMA 35
46960 ALDAYA
ES - ESPANA
IKEA Supplier n° 18809

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**

The test result complies with the relative requirement in clause 1 of IKEA specification IOS-PRF-0085, date 2017-06-21.

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TEST REPORT

254414 / 2

Date received: 29/06/18

Date of test: 10/07/18

Date of issue: 20/07/18



Sample name: GRANA chair

SP BERNER PLASTIC GROUP, S.L.
CAMINO DE LA LLOMA 35
46960 ALDAYA
ES - ESPANA
IKEA Supplier n° 18809

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
1.600	410	10 x 10 s	No defects
1.600	410	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, domestic level.

The test result complies with the relative requirement in clause 1 of IKEA specification IOS-PRF-0087, date 2017-06-21.

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TEST REPORT

254414 / 3

Date received: 29/06/18

Date of test: 11/07/18

Date of issue: 20/07/18



Sample name: GRANA chair

SP BERNER PLASTIC GROUP, S.L.
CAMINO DE LA LLOMA 35
46960 ALDAYA
ES - ESPANA
IKEA Supplier n° 18809

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	25.000	No defects

Note:

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

The test result complies with the relative requirement in clause 1 of IKEA specification IOS-PRF-0087, date 2017-06-21.

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TEST REPORT

254414 / 4

Date received: 29/06/18

Date of test: 18/07/18

Date of issue: 20/07/18

Sample name: GRANA chair



SP BERNER PLASTIC GROUP, S.L.
CAMINO DE LA LLOMA 35
46960 ALDAYA
ES - ESPANA
IKEA Supplier n° 18809

Seat front edge durability test EN 1728:2012+AC:2013

Seat front edge durability test clause 6.18

Test results:

Points of application	Seat force N	Number of cycles	Remarks
100 mm back from the front edge	1.000	20.000	No defects

Note:

The test result complies with the relative requirement in clause 1 of IKEA specification IOS-PRF-0087, date 2017-06-21.

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*Managing Director
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TEST REPORT

254414 / 5

Date received: 29/06/18

Date of test: 19/07/18

Date of issue: 20/07/18



Sample name: GRANA chair

SP BERNER PLASTIC GROUP, S.L.
CAMINO DE LA LLOMA 35
46960 ALDAYA
ES - ESPANA
IKEA Supplier n° 18809

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:

The test result complies with the relative requirement in clause 1 of IKEA specification IOS-PRF-0087, date 2017-06-21.

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Managing Director
Dr. Andrea Glavon

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TEST REPORT

254414 / 6

Date received: 29/06/18

Date of test: 19/07/18

Date of issue: 20/07/18



Sample name: GRANA chair

SP BERNER PLASTIC GROUP, S.L.
CAMINO DE LA LLOMA 35
46960 ALDAYA
ES - ESPANA
IKEA Supplier n° 18809

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
260	1.000	10	No defects

Note:

According to EN 1728:2012, horizontal force has been reduced from 300 N to 260 N, to avoid tipping.

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

The test result complies with the relative requirement in clause 1 of IKEA specification IOS-PRF-0087, date 2017-06-21.

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Managing Director
Dr. Andrea Gravon

TEST REPORT

254414 / 7

Date received: 29/06/18

Date of test: 19/07/18

Date of issue: 20/07/18



Sample name: GRANA chair

SP BERNER PLASTIC GROUP, S.L.
CAMINO DE LA LLOMA 35
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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	180	10	No defects

Note:

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

The test result complies with the relative requirement in clause 1 of IKEA specification IOS-PRF-0087, date 2017-06-21.

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TEST REPORT

254414 / 8

Date received: 29/06/18

Date of test: 19/07/18

Date of issue: 20/07/18



Sample name: GRANA chair

SP BERNER PLASTIC GROUP, S.L.
CAMINO DE LA LLOMA 35
46960 ALDAYA
ES - ESPANA
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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 : /

Test passed

The test result complies with the relative requirement in clause 1 of IKEA specification IOS-PRF-0087, date 2017-06-21.

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Managing Director
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