

Date received: 22/01/18

Date of issue: 26/02/18

Report consists of 14 test reports.

Defects before testing: None

Sample name: SHU YING chair brass

SAMPLE N° 245026

Overall dimensions: 770 x 600 x 770 (h) mm

List performed tests:

1. Safety requirements EN 16139:2013+AC:2013
2. Seat and back static load test EN 1728:2012+AC:2013
3. Vertical load on back rest EN 1728:2012+AC:2013
4. Arm sideways static load test EN 1728:2012+AC:2013
5. Arm downwards static load test EN 1728:2012+AC:2013
6. Seat and back fatigue test EN 1728:2012+AC:2013
7. Seat front edge durability test EN 1728:2012+AC:2013
8. Arm fatigue test EN 1728:2012+AC:2013
9. Leg forward static load test EN 1728:2012+AC:2013
10. Leg sideways static load test EN 1728:2012+AC:2013
11. Seat impact test EN 1728:2012+AC:2013
12. Back impact test EN 1728:2012+AC:2013
13. Arm rest impact test EN 1728:2012+AC:2013
14. Stability - EN 1022:2005



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Managing Director
Dr. Andrea Giavon

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SAMPLE N° 245026

Date of issue: 26/02/18
Sample weight: Not determined
Sample name: SHU YING chair brass



Side view



Rear view



Bottom view

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TEST REPORT

245026 / 1

Date received: 22/01/18

Date of test: 23/01/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



Safety requirements EN 16139:2013+AC:2013

Safety requirements clause 4

Statement checked	Remarks
Corner and edges in contact with the users: • Absence of sharp edges and corners	Yes
Edges on the handles: • Absence of sharp edges and corners in the direction of the force	Handles not present
Other edges: • Absence of sharp edges and corners	Yes
Accessible hollow components: • The ends of hollow components are closed or capped	Yes
Movable and adjustable parts: • It shall not be possible for any movable and adjustable part of the chair to come operate unintentionally.	Movable and adjustable parts not present
Connections between parts of the structure: • It shall not be possible for any load bearing part of the seating to come loose unintentionally	No
Parts which are lubricated: • All the parts which are lubricated shall be designed to protect users	Lubricated parts not present
Shear and squeeze points between movable parts $\geq 8 \text{ mm} \leq 25 \text{ mm}$: • Shear and squeeze points under influence of powered mechanism • Shear and squeeze points during normal use and during normal movements and actions	Mechanism not present No
Conformity to clauses 4.1 and 4.2 of standard EN 16139:2013:	YES

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TEST REPORT

245026 / 2

Date received: 22/01/18

Date of test: 23/01/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



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	560	10	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 1 of EN 16139:2013, level L1 - general.

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TEST REPORT

245026 / 3

Date received: 22/01/18

Date of test: 23/01/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



Vertical load on back rest EN 1728:2012+AC:2013

Vertical static load on back rest clause 6.6

Test results:

Seat load N	Downwards force N	Number of applications	Remarks
1.300	600	10	No defects

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L1 - general.

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TEST REPORT

245026 / 4

Date received: 22/01/18

Date of test: 23/01/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



Arm sideways static load test EN 1728:2012+AC:2013

Arm sideways static load test clause 6.10

Test results:

Horizontal force N	Number of applications	Remarks
400	10	No defects

Note:

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TEST REPORT

245026 / 5

Date received: 22/01/18

Date of test: 23/01/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



Arm downwards static load test EN1728:2012+AC:2013

Arm downwards static load test clause 6.11

Test results:

Vertical force N	Number of applications	Remarks
750	5	No defects

Note:

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TEST REPORT

245026 / 6

Date received: 22/01/18

Date of test: 23/01/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



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	300	100.000	No defects

Note:

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TEST REPORT

245026 / 7

Date received: 22/01/18

Date of test: 29/01/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



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	800	50.000	No defects

Note:

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TEST REPORT

245026 / 8

Date received: 22/01/18

Date of test: 02/02/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



Arm fatigue test EN 1728:2012+AC:2013

Arm fatigue test clause 6.20

Test results:

Force on arm rest N	Number of cycles	Remarks
400	30.000	No defects

Note:

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TEST REPORT

245026 / 9

Date received: 22/01/18

Date of test: 09/02/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



Leg forward static load test EN 1728:2012+AC:2013

Leg forward static load test clause 6.15

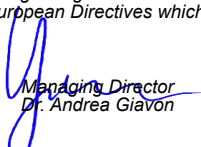
Test results:

Forward horizontal force N	Balancing seat force N	Number of cycles	Remarks
500	1.000	10	No defects

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L1 - general.

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TEST REPORT

245026 / 10

Date received: 22/01/18

Date of test: 09/02/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



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
400	1.000	10	No defects

Note:

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TEST REPORT

245026 / 11

Date received: 22/01/18

Date of test: 09/02/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



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:

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TEST REPORT

245026 / 12

Date received: 22/01/18

Date of test: 09/02/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



Back impact test EN 1728:2012+AC:2013

Back impact test clause 6.25

Test results:

Angle °	Mass of impactor kg	Number of cycles	Remarks
38	6,5	10	No defects

Note:

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TEST REPORT

245026 / 13

Date received: 22/01/18

Date of test: 09/02/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



Arm rest impact test EN 1728:2012+AC:2013

Arm rest impact test clause 6.26

Test results:

Angle °	Mass of impactor kg	Number of cycles	Remarks
38	6,5	10	No defects

Note:

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TEST REPORT

245026 / 14

Date received: 22/01/18

Date of test: 09/02/18

Date of issue: 26/02/18

Sample name: SHU YING chair brass



Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 186 N

Forwards overturning

Horizontal force : 20 N does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : 186 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

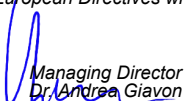
Horizontal force : /

Forwards overturning for chairs with footrest

Horizontal force : /

Test passed

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