

Report ID: 364237
Date of sample receipt: 29/01/24
Date of issue: 16/02/24

YUCEL BAHCE MOBILYALARI SANAYI VE TIC.
A.S.
OSB. 5 BOLGE 83528 NOLU CAD. NO: 4/1
27620 GAZIANTEP
TR - TURKEY

Sample name: TIARA

SAMPLE N° 364237

Overall dimensions: 460 x 520 x 880 (h) mm

List of test reports:

1. Outdoor furniture - General safety requirements EN 581-1:2017
2. Seat and back static load test and seat front edge static load test EN 1728:2012+AC:2013
3. Seat and back fatigue test EN 1728:2012+AC:2013
4. Seat impact test EN 1728:2012+AC:2013
5. Stability EN 1022:2018, clause 7.3



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*The managing director
Dr. Franco Bulian*

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Date of issue: 16/02/24
Sample weight: Not determined
Sample name: TIARA



Side view



Rear view



Bottom view

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TEST REPORT

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Revision: 0
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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	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 applicable	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

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TEST REPORT

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Seat and back static load test and seat front edge static load test EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clauses 6.4 and 6.5 and in accordance to the test parameters of EN 581-2:2015+AC:2016, table 2

Seat and back static load test, clause 6.4, EN 1728:2012+AC:2013

Risultati della prova:

Seat load N	Back force N	Number of cycles	Remarks
2.000	500	1	Under load deformation of the rear legs that does not allow the application of the test loads.
2.000	500	/	/

Note:

According to EN 1728:2012+AC:2013, back force has been reduced from 560 N to 500 N to avoid tipping.

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

The test results do not comply with the requirements in clause 7.2.2 of standard EN 581-2:2015+AC:2016

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TEST REPORT

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

Test performed according to the test method EN 1728:2012+AC:2013, clause 6.17 and in accordance to the test parameters of EN 581-2:2015+AC:2016, table 2

Test results:

Seat load N	Back force N	Number of cycles	Remarks
1.400	300	50.000	No defects

Note:

In order to avoid tipping, the applied back force according to clause 6.2.1 of EN 1728:2012+AC:2013, has been reduced from 333 N to 300 N and the seat force has been increased from 1000 N to 1400 N. The minimum back force required is 300 N.

The test results comply with the requirements in clause 7.2.2 a), b), c) and d) of standard EN 581-2:2015+AC:2016 contract level

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Seat impact test EN 1728:2012+AC:2013

Test performed according to the test method EN 1728:2012+AC:2013, clause 6.24 and in accordance to the test parameters of EN 581-2:2015+AC:2016, table 2

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

The test results comply with the requirements in clause 7.2.2 a), b), c) and d) of standard EN 581-2:2015+AC:2016 contract level

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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: 130 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 standard EN 1022:2018

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