

Date received: 10/11/20
Date of issue: 24/11/20
Report consists of 7 test reports.
Defects before testing: None
Sample name: PANAREA

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

SAMPLE N° 300230

Overall dimensions: 550 x 625 x 740 (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. Arm downwards static load test EN1728:2012+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



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Managing Director
Dr. Andrea Giavon

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SAMPLE N° 300230

Date of issue: 24/11/20
Sample weight: Not determined
Sample name: PANAREA



Side view



Rear view



Bottom view

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TEST REPORT

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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
Any load bearing part of furniture not come loose unintentionally	Yes	None
Lubricated parts are protected	/	Not present

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
Absence of shear and squeeze points, created by parts operated by powered mechanism.	/	Not present
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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Managing Director
Dr. Andrea Gravan

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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	560	10 x 10 sec.	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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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 N	Back force N	Number of cycles	Remarks
1.000	300	50.000	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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Arm downwards static load test EN1728:2012+AC:2013

Test performed according to EN 581-2:2015

Arm downwards static load test clause 6.11, EN 1728:2012+AC:2013

Test results:

Vertical force N	Number of applications	Remarks
900	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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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:

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ITALIA

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

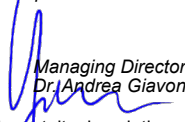
Test results:

Mass of impactor kg	Height of drop mm	Impact point	Number of drops	Remarks
25	240	point A	10	No defects
25	240	at 100 mm from the front edge of the seat	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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Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 165 N

Forwards overturning

Horizontal force : 20 N does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : 165 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 : //

The test results comply with the requirements of EN 1022:2005.

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