

Nordic Comfort Products A/S
P.O. Box 3
N - 8640 HEMNESBERGET
NORWAY

Testing of seating furniture according to EN 1729:2012 (3 appendices)

Customer:	Nordic Comfort Products A/S
Test object:	Chair
Test object ID:	Rio Z
Test method:	EN 1729:2012 Furniture - Chairs and tables for educational institutions – Part 2: Safety requirements and test methods
Scope:	Complete test
Date of test:	2015-11-20 – 2015-12-07
Test result:	The tested object passed the test
Reservation:	The test results in this report apply only to the particular Equipment Under Test (EUT)
Test environment:	23 ± 2°C and 50 ± 5% relative humidity
Additional information:	The chair is tested as size 7

SP Technical Research Institute of Sweden Sustainable Built Environment - Wood Technological Assessment

Performed by

Examined by

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Appendices

1. Test result (2 pages)
2. Description of test object (1 page)
3. Pictures (1 page)

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Appendix 1

Test result

Abbreviations: N/A = Not applicable
N/T = Not tested

Table 1

1.	General requirements	EN 1729	Req. fulfilled
1.1	Components or parts accessible during normal use shall have no burrs, sharp edges or sharp points	4 a-c	Passed
1.2	The distance between moving parts accessible during normal use shall be kept to ≤ 8 mm or ≥ 25 mm in any position during movement	4 d	N/A
1.3	With the exception of setting up or folding, there shall be no accessible gaps > 8 mm and < 25 mm created during normal movements and actions	4 e	Passed
1.4	Adjustment controls shall not operate inadvertently or accidentally	4 f	N/A
1.5	Open ends and feet of tubular components shall be capped or otherwise closed	4 g	Passed
1.6	Parts shall not be detachable without the use of an appropriate tool	4 h	Passed
1.7	Parts which are lubricated shall be covered in order to avoid staining	4 i	N/A

Table 2

2.	Stability	EN 1729	Req. fulfilled
2.1	Forwards stability	5.2.2	Passed
2.2	Sideways stability of chairs without armrests	5.2.3.1	Passed
2.3	Sideways stability of chairs with armrests	5.2.3.2	N/A
2.4	Rearwards stability	5.2.4	Passed
2.5	Rearwards stability, chairs with backrest inclination	5.2.5	N/A
2.6	Forwards stability for seating with footrest	5.2.1	N/A

Appendix 1

Table 3

3.	Strength, durability	EN 1729	Cycles	Load size 7	Req. fulfilled
3.1	Seat and back static load test	5.3.2	10	Seat: 2000 N Back:700	Passed
3.2	Seat and back fatigue test	5.3.3	100 000	Seat: 1250 N Back: 300 N	Passed
3.3	Seat front edge fatigue test	5.3.4	50 000	800 N	Passed
3.4	Leg sideways static load test	5.3.5	10	Under frame: 600 N Seat:1600 N	Passed
3.5	Leg forward static load test	5.3.6	10	Under frame: 600 N Seat: 1600 N	Passed
3.6	Seat impact test	5.3.7	10	Drop height 300 mm	Passed
3.7	Back impact test	5.3.8	10	Drop height 620 mm	Passed
3.8	Foot rail static load test	5.3.9	10	1300N	N/A
3.9	Drop test	5.3.10	5	Drop height 600 mm	Passed
3.10	Foot rail fatigue test	5.3.11	50 000	1000N	N/A
3.11	Armrest vertical static load test	5.3.12	10	600N Overload 900N	N/A

Appendix 2

Description of test Object

Test object ID: Rio Z

Dimensions

Width: 495 mm

Depth: 515 mm

Height: 805 mm

Seat height: 440 mm

Mass: 5.6 kg

Components

Frame/legs: Steel tube Ø 28 mm

Seat: Plastic

Backrest: Plastic

Armrest: -

Footrest: -

Castors: -

Upholstery: -

Sampling: The test object was selected by the customer

Date of arrival at SP test laboratory: 2015-10-21

Observed defects before testing: No defects

Appendix 3

Pictures



Figure 1



Figure 2



Figure 3



Figure 4