REPORT
issued by an Accredited Testing Laboratory

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Accred. No. 1002
Testing
ISO/IEC 17025

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
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:	2015-12-01 – 2015-12-17
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 ± 2ºC 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

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Appendices

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

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

Dimensions

Width:	505 mm
Depth:	495 mm
Height:	810 mm
Seat height:	450 mm
Mass:	3.6 kg

Components

Frame/legs:	Steel tube Ø 19 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