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Testing of R-80 table

(1 appendix)

Summary

R-80 table met the requirements for strength and safety according to EN 15372:2008, level 2.

1 Introduction

On behalf of Nordic Comfort Products A/S, a R-80 table has been tested by SP in accordance with EN 15372:2008 Furniture - Strength, durability and safety - Requirements for non-domestic tables, level 2.

2 Test specimen

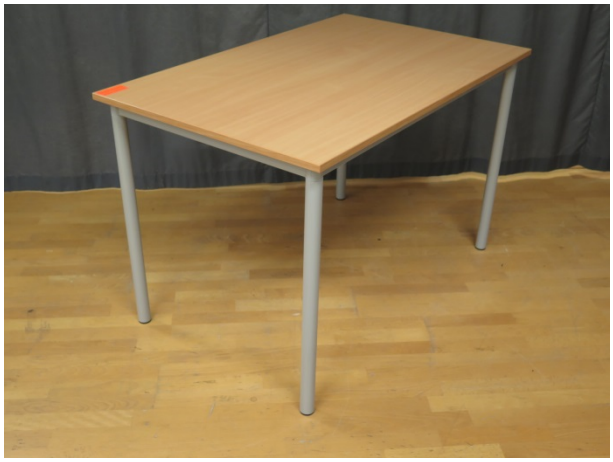

Figure 1 Test specimen

Dimension:	Table top: 1200x750x19 mm
	Height:720 mm
Legs:	Metal tube Ø40 mm
Table top:	Laminated particleboard
	Frame under table top: Square metal tube 40x20 mm
Mass:	24,6 kg

The test specimen was selected by the customer and arrived at SP 2015-02-11.

3 Test methods and test procedure

Tests were carried out according to:
EN 15372:2008 Furniture - Strength, durability and safety - Requirements for non-domestic tables, level 2.

The tests were carried out in climate 23 ± 2º C and 50 ± 5% relative humidity.
The test methods are explained in table 1-3.

The tests were carried out 2015-02-24 – 2015-02-27.

4 Results

Table 1

1.	General requirements	EN 15372	Results
1.1.1	Edges of table tops which are directly in contact with the user are rounded or chamfered, and all other edges accessible during intended use are free from burrs and/or sharp edges.	5.1	Passed
1.1.2	Open ends of hollow component shall be closed or capped.	5.1	Passed
1.1.3	Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.	5.1	N/A
1.1.4	Load bearing part shall not come loose unintentionally.	5.1	Passed
1.1.5	All parts which are lubricated shall be designed to protect users from lubricant stains when in normal use.	5.1	N/A
1.1.6	The distance between moving parts accessible during normal use shall be kept to ≤ 7 mm or ≥ 18 mm in any position during movement[1]	5.2.1 3.3	N/A
1.1.7	There shall be no shear and squeeze points created by parts of the table operated by powered mechanisms, i.e. springs, gas lifts and motorized systems.	5.2.2	N/A
1.1.8	There shall be no shear and squeeze points created by forces applied during normal use, There shall be no shear and squeeze points if a hazard is created by the user during normal movements and actions, e.g. attempting to move the table.	5.2.3	Passed

[1]The requirements in 1.1.6 are not applicable when shear and squeeze points are created only when setting up and folding.

Table 2

2.	Stability	EN 1730	Results
2.	The table shall not overturn. The stability requirements shall be fulfilled before and after the tests specified in table 3 – Strength, Durability	6.7	Passed

Table 3

3	Strength, durability	EN 1730	Cycles	Load	Results
3.1	Horizontal static load test - high tables > 600 mm - low tables < 600 mm	6.2	 10 10	 400 N 200 N	 Passed N/A
3.2	Vertical static load test - main surface - ancillary surface	6.3	 10 10	 1250 N 200 N	 Passed N/A
3.3	Horizontal fatigue test	6.4	15 000	300 N	Passed
3.4	Vertical fatigue test (For cantilever or pedestal tables)	6.5	15 000	300 N	N/A
3.5	Vertical impact test (for tables without glass)	6.6	10	180 mm	Passed
3.6	Vertical impact test -for tables with safety glass -for tables with other glass	6.6	 10 10	 180 mm 240 mm	 N/A N/A
3.7	Drop test (for tables weighting more than 20 kg) -for tables without glass -for tables with glass	*EN 15372 Annex A*	 5 5	 100 mm 50 mm	 Passed N/A

5 Conclusion

At the end of the test, the tested piece did not exhibit any faults, fractures or other damage judged to affect its safety and functions when used in accordance with EN 15372:2008.

The test results apply solely to the specimen tested.

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Performed by

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Appendix

1. Pictures (1 page)

Appendix 1

Pictures

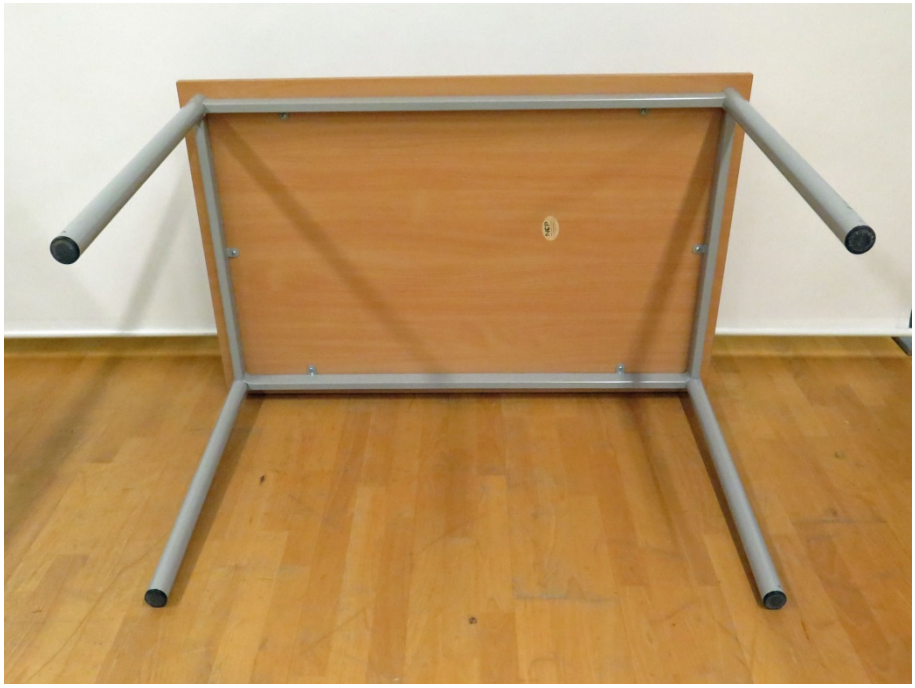

Figure 1 Test specimen

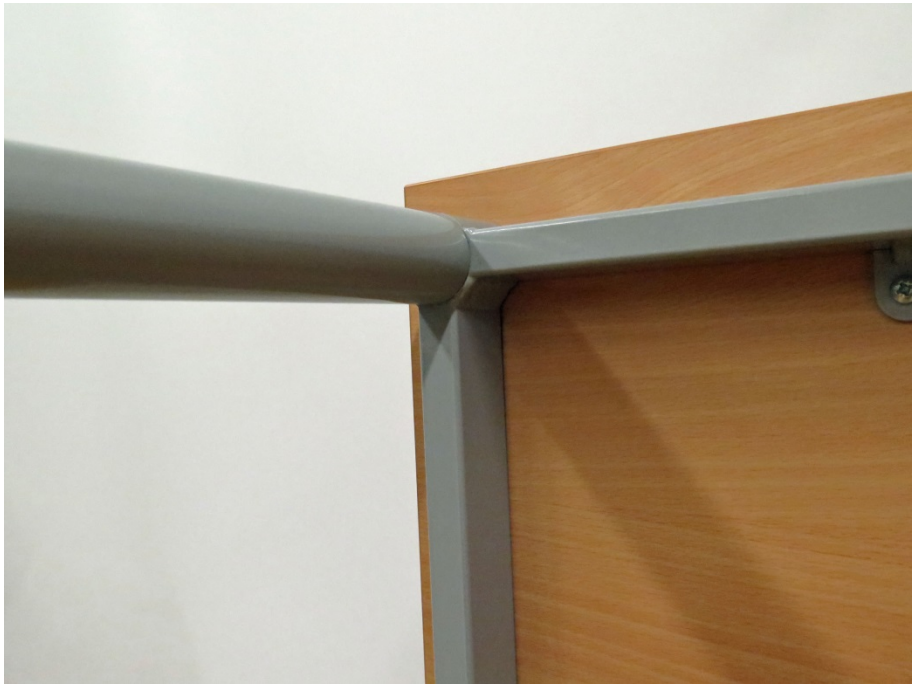

Figure 2 Test specimen