



Test Report

Report No.: 831316-3

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Page 1 of 1
jjoh/laha/hbs
Order no.: 831316
No. of appendices: 2

Subject: Model: C-Chair

Type:	Chair				
Length:	330 mm	Width:	415 mm	Height:	795 mm
Weight:	4.16 kg				
Materials:	Wood base with a rattan woven seat				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 15-01-2019.

Method: EN 1022:2005 Domestic furniture - Seating - Determination of stability. EN 16139:2013 Furniture - Strength, durability and safety - Requirements for non-domestic seating.

Clauses 4.1, 4.2.3, 4.3.3, 5, 6.1.1, 6.1.2, 6.1.3, 6.1.8, 6.1.9, 6.1.12, 6.1.13, 6.1.14, 6.1.15.

L1: General use: E.g. in office buildings, showrooms, public halls, function rooms, cafés, restaurants, canteens, banks, bars.

Period: The testing was carried out from 15-01-2019 to 01-01-2000.

Result: Model C-Chair fulfils the requirements in EN 1022:2005 and EN 16139:2013.

Loading according to Test severity L1.

NB 6.1.4 - The impact test was carried out with a 4 mm plywood plate on top of the seat to protect the woven area.

Individual results appear from Appendix 1.

Storage: The test material will be destroyed after 1 month, unless otherwise agreed.

Terms: Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's (DTI) General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Date/place: 27-02-2019, Danish Technological Institute, Wood and Biomaterials, Taastrup

Signature: Test responsible

Co-signatory

Order no.: 831316-3
Appendix: 1
Page: 1 of 1
Initials: jjoh/laha/hbs

Test of Model: C-Chair

Loading according to Test severity L1.

Test	Test Method	Cycles	Load	Result
4.1 General	EN 16139, 4.1			Passed
4.2.2 Shear and squeeze points under influence of powered mechanisms	EN 16139, 4.2.2			N/A
4.2.3 Shear and squeeze points during use	EN 16139, 4.2.3			Passed
4.3.2 Swivelling chairs	EN 1022			N/A
4.3.3 Non swivelling chairs	EN 1022			Passed
4.4 Rolling resistance of the unloaded chair	EN 16139, 4.4			N/A
5 Strength and durability requirements	EN 16139, 5			Passed
6.1.1 Seat static load and back static load test	EN 1728:2012, 6.4	10 10	Seat: 1600 N Back: 560 N	Passed
6.1.2 Seat front edge static load	EN 1728:2012, 6.5	10	Seat: 1300 N	Passed
6.1.3 Vertical load on back rests	EN 1728:2012, 6.6	10	Back: 600 N Seat: 1300 N	Passed
6.1.4 Foot rest static load test	EN 1728:2012, 6.8			N/A
6.1.4 Leg rest static load test	EN 1728:2012, 6.9			N/A
6.1.5 Arm rest sideways static load test	EN 1728:2012, 6.10			N/A
6.1.6 Arm rest downwards static load test	EN 1728:2012, 6.11			N/A
6.1.7 Vertical upwards static load on arm rests	EN 1728:2012, 6.13			N/A
6.1.8 Combined seat and back durability test	EN 1728:2012, 6.17	100000 100000	Seat: 1000 N Back: 300 N	Passed
6.1.9 Seat front edge durability test	EN 1728:2012, 6.18	50000	800 N	Passed
6.1.10 Arm rest durability test	EN 1728:2012, 6.20			N/A
6.1.11 Foot rest durability test	EN 1728:2012, 6.21			N/A
6.1.12 Leg forward static load test	EN 1728:2012, 6.15	10	Edge: 500 N) (Seat: 1000 N)	Passed
6.1.13 Legs sideways static load test	EN 1728:2012, 6.16	10	Edge: 400 N) (Seat: 1000 N)	Passed
6.1.14 Seat impact test	EN 1728:2012, 6.24	10	240 mm	Passed*
6.1.15 Back impact test	EN 1728:2012, 6.25	10	210 mm / 38°	Passed
6.1.16 Arm Impact Test	EN 1728:2012, 6.26			N/A
6.1.17 Drop test (multiple seating)	EN 1728:2012, 6.27.1			N/A
6.1.18 Auxiliary writing surface static load test	EN 1728:2012, 6.14			N/A
6.1.19 Auxiliary writing surface durability test	EN 1728:2012, 6.22			N/A
7 Information for use	EN 16139, 7			N/A

*The impact test was carried out with a 4 mm plywood plate on top of the seat to protect the woven area.

Order no.: 831316-3
Appendix: 2
Page: 1 of 1
Initials: jjoh/laha/hbs

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Photo

