

Test Report

Report No.: 202974-1



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INSTITUTE**

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Jnas/mrud/hbs
Order no.: 202974
No. of appendices: 2

Item: Model: Light Weight Brake for Chair Legs

Type:	Brake for chair legs				
Length:	585 mm	Width:	175 mm	Height:	60 mm
Weight	2 kg				
Materials:	Plastic, metal				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 22-06-2023.

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

Clauses 6.1.1, 6.1.2, 6.1.8, 6.1.9 + rolling test

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 23-06-2023 to 24-08-2023.

Result: Model x fulfils the requirements of EN 16139:2013, the above clauses.

Individual results appear from Appendices 1 and 2.

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 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: 24-08-2023, Danish Technological Institute, Wood Technology, Taastrup

Signature: Test responsible

Co-signatory



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Testing of Model: Light Weight Brake for Chair Legs

EN 16139

Loading according to Test severity L1.

Test	Test Method	Cycles	Load	Result
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
6.1.8 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

Rolling Test	Cycles	Load	Result
Rolling test	5,000	25 kg – horizontal weight on a hard surface	Passed

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Photos

