

# Test Report

Report No.: 100973-1



**DANISH  
TECHNOLOGICAL  
INSTITUTE**

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Page 1 of 1  
Jjoh/jha/hbs  
Order no.: 100973  
No. of appendices: 2

**Item:** Model: Private Sideboard

Type:	Storage Unit				
Length:	450 mm	Width:	1600 mm	Height:	905 mm
Weight:	103 kg				
Materials:	Stained oak				

**Sampling:** The test material was sampled by the client and received at the Danish Technological Institute 24-11-2021.

**Method:** **ASTM F2057-19** Standard Safety Specification for Clothing Storage Units  
**ASTM F3096-14** Standard Performance Specification for Tip-over Restraint(s) Used with Clothing Storage Unit(s)

**Period:** The testing was carried out from 24-11-2021 to 30-11-2021.

**Result:** Model Private Sideboard fulfils the requirements in ASTM F2057-19 and ASTM F3096-14.

Individual results appear from Appendix 1.

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

**Terms:** The testing was carried out 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:** 30-11-2021, Danish Technological Institute, Wood and Biomaterials, Taastrup

**Signature:** Test responsible

Co-signatory

Order no.: 100973-1  
Appendix: 1  
Page: 1 of 3  
Initials: Jjoh/jha/hbs

## Test of Model: Private Sideboard

### ASTM F3096-14

		Result
4.1	Assemble tip-over restraint components including provided fasteners in accordance with manufacturer's instructions.	Passed
4.2	Rigidly suspend the assembly by securing one end of the tip-over restraint by gripping directly, or attaching to a fixed structure (for example, wooden block).	Passed
4.3	Attach a loading device to the fastener(s) on the opposite end of restraint	Passed
4.4	Gradually, over a period of not less than 2 s nor greater than 15 s, apply the static load of 23 kg and maintain for an additional 30 s.	Passed
4.5	If the fastener(s) become unattached from the test structure (wood block or fixed structure) in such a way that it prohibits the completion of the test, then the fastener(s) are to be reattached using whatever means possible without affecting the test results of the assembly	Passed

### ASTM F2057-19

Standard Safety Requirements for Clothing Storage Units		Result
<b>7.1</b>	<b>Stability of Unloaded Unit</b>	
7.1.1	Position the empty unit on a hard, level, flat surface. The unit shall be level during testing unless specifically designed otherwise	Passed
7.1.2	Open all doors to 90° and extend all drawers or pullout shelves, or both, to the outstop or, in the absence of such feature, to 2/3 (66%) of their operational sliding length. Open flaps or drop fronts to their horizontal position or as near horizontal as possible	Passed
<b>7.2</b>	<b>Stability with Load</b>	
7.2.1	Position the empty unit in accordance with 7.1.1	Passed
7.2.2	Open one drawer to the outstop or, in the absence of such a feature, to 2/3 (66%) of its operational sliding length. All other drawers and doors not undergoing testing shall be in the closed position unless they must be opened to access other components behind them. Test in accordance with 7.2.4. Close drawer and repeat until all drawers have been tested.	Passed
7.2.3	Open one door to 90°. All other drawers and doors not undergoing testing shall be in the closed position unless they must be opened to access other components behind them. Test in accordance with 7.2.4. Close door and repeat with another door until all doors have been tested.	N/A
7.2.4	Gradually apply test weights over the front of each drawer. For odd-shaped drawers, apply test weights to the front edge that protrudes the farthest. For doors, apply test weights to each door so that the outer edge of the test weight is flush with the outermost upper corner of the door.	Passed
<b>7.3</b>	<b>Permanency of Labels and Warnings Testing</b>	
7.3.1	A paper label shall be considered permanent if, during an attempt to remove it without the aid of tools or solvents, it cannot be removed, it tears into pieces upon removal, or such action damages the surface to which it is attached	Passed
7.3.2	A non-paper label shall be considered permanent if, during an attempt to remove it without the aid of tools or solvents, it cannot be removed or such action damages the surface to which it is attached.	N/A

Order no.: 100973-1  
Appendix: 1  
Page: 2 of 3  
Initials: Jjoh/jha/hbs

## Test of Model: Private Sideboard

Standard Safety Requirements for Clothing Storage Units		Result
<b>7.3.3</b>	<b>Adhesion Test for Warnings Applied Directly onto the Surface of the Product</b>	
7.3.3.1	Apply the tape test defined in the Test Method B – Cross-Cut Tape Test of Test Methods D3359 eliminating parallel cuts	N/A
7.3.3.2	Perform this test once in each different location where warnings are applied	N/A
7.3.3.3	The warning statements shall be considered permanent if the printing in the area tested is still legible and attached after being subjected to this test	N/A
<b>8</b>	<b>Marking and Labelling</b>	
<b>8.1</b>	<b>Warnings on Product:</b>	
8.1.1	Each clothing storage unit shall be permanently marked in at least one place with the warnings from this section. The warnings shall be in a conspicuous location when in use; the back of the unit intended to be placed against the wall is not considered conspicuous when in use.	Passed
8.2	Warnings Format and Content:	Passed
8.2.1	The warnings shall be formatted in a manner consistent with ANSI Z535.4.	Passed
8.2.2	The signal word panel shall include the Safety Alert Symbol "" and state "WARNING" in all caps, bold face type not less than 0.15 in. (3.8 mm) capital letter height in a sans serif font. The letter color shall be safety black on a safety orange or safety white background, or safety white on a safety black background.	Passed
8.2.3	In the following sections, the plain type is descriptive information; bold type is used for the required warning statements. The warning statements, unless otherwise noted, shall be included as stated. All text shall be a sans serif font, not less than 0.1 in. (2.5 mm) capital letter height. The text shall be safety black letters on a safety white background or the letters shall contrast the background.	Passed
8.2.3.1	The warning message panel shall begin with the following statement in bold face type. <b>Children have died from furniture tipover. To reduce the risk of furniture tipover:</b>	Passed
8.2.3.2	The warning message panel shall include the following statements, preceded by a bullet point, in the order given. 8.2.3.3 <b>ALWAYS install tipover restraint provided.</b> 8.2.3.4 Television use shall be addressed in the warnings by following either 8.2.3.4(1) or 8.2.3.4(2). (1) For clothing storage units that are not designed and intended by the manufacturer to be used with a TV shall state: <b>NEVER put a TV on this product.</b> (2) For clothing storage units that are designed and intended by the manufacturer to be used with a TV, the warning shall address TV use.	Passed
8.2.3.5	<b>NEVER allow children to stand, climb, or hang on drawers, doors, or shelves.</b>	Passed
8.2.3.6	<b>NEVER open more than one drawer at a time.</b>	Passed
8.2.3.7	When the unit includes interlocking drawers: <b>DO NOT defeat or remove the drawer interlock system.</b> Units that do not include interlocking drawers shall not use this statement.	N/A
8.2.3.8	<b>Place heaviest items in the lowest drawers.</b>	Passed

Order no.: 100973-1  
Appendix: 1  
Page: 3 of 3  
Initials: Jjoh/jha/hbs

## Test of Model: Private Sideboard

Standard Safety Requirements for Clothing Storage Units		Result
8.2.3.9	The following statement is required below all other text, in italic letters, this statement may not be larger type than any other wording on the warning: <b>This is a permanent label. Do not remove!</b>	Passed
8.2.4	Each safety symbol panel shall measure at least 1.25 in. by 1.25 in. (31.8 mm by 31.8 mm); each safety symbol shall measure at least 1 in. by 1 in. (25.4 mm by 25.4 mm). Each symbol shall be safety black with either a safety black or safety red prohibition symbol or the symbol shall contrast with the background. The safety symbol panel for each symbol shall be bounded on all sides with a safety black line or the line shall contrast with the background.	Passed
8.2.4.1	The child climbing prohibition symbol shown shall be used on all warning labels.	Passed
8.2.4.2	The TV prohibition symbol shall be used on units that include the warning in 8.2.3.4(1).	Passed
8.2.5	The contents of the warnings shall not be modified except as specifically indicated above and/or to include languages other than English	Passed
8.2.6	The warnings shall be permanent when tested in accordance with 7.3.1, 7.3.2, or 7.3.3 as appropriate.	Passed

N/A Not applicable

Order no.: 100973-1  
Appendix: 2  
Page: 1 of 1  
Initials: Jjoh/jha/hbs

## **Test of Model: Private Sideboard**

### **Photo**

