

TEST REPORT

LAB LOCATION: Dong Guan, China
 REPORT NUMBER: 63123-090164

ISSUE DATE: September 14, 2023
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Applicant Information	
Applicant:	Dongguan Maotian Metal Plastic Technology Co., Ltd
Address:	No.19, Qingxi Linzhong 1 Street, Qingxi Town Dongguan City Guangdong Province, China 523641
Attention:	Sunny Han

OVERALL RATING	
SATISFACTORY	<input checked="" type="checkbox"/>
UNSATISFACTORY	<input type="checkbox"/>
DATA	<input type="checkbox"/>

Sample Information			
Product Description:	Dresser		
Item/ Style Number:	--		
Purchase Order Number:	--	No. of Sample Submitted:	1 box
Buyer/ Agent:	GigaCloud Technology	Manufacturer:	Dongguan Maotian Metal Plastic Technology Co., Ltd
Country of Origin:	China	Country of Destination:	USA
Date of Submission:	Sep 06, 2023	Test Performance Date:	Sep 06 – Sep 14, 2023

Testing Status			
Pre-production	<input type="checkbox"/>	Production	<input type="checkbox"/>
Retest	<input type="checkbox"/>	Previous Report No.:	--
Other/ Comments: --			



For and on behalf of
 Modern Testing Services (Dongguan) Limited



Li Xin Yu, Insoul
 Assistant Manager, Hardlines

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TEST RESULT SUMMARY

Test Requested	Results
ASTM F2057-23 Standard Safety Specification for Clothing Storage Units	PASS*

*= The permanent, "WARNING" capital letter height, text capital letter height, safety symbol panel, safety symbol for label cannot be verify due to only artwork was provided.

TEST RESULT:

1. ASTM F2057-23 Standard Safety Specification for Clothing Storage Units

Clause	Requirement	Result		Remark
		Pass	Fail	
1	Scope			
2	Referenced Documents			
3	Terminology			
4	Performance Requirements	X		
4.1	With the unit set up in accordance with 8.1, and without the anti-tip device, test the unit in accordance with 9.2.1, 9.2.2, and 9.2.3.	—	—	—
4.2	During the test, the unit shall not tip over or be supported by any component unless that component was specifically designed for that purpose.	—	—	See clause 9.2.1, 9.2.2 and 9.2.3
4.3	If a failed component prohibits the completion of the test, then the failed component(s) shall be repaired or replaced to the original specifications, or the component replaced and the test repeated with the failed component secured as to not affect the test results but to prevent the component from failing.	—	—	—
4.4	An anti-tip device shall be included with each item of furniture covered under the scope of this safety specification for attachment by the consumer.	X		
4.5	The anti-tip device provided shall meet the requirement of Specification F3096.	X		
4.6	Interlock Requirements			
4.6.1	Interlocks shall not require additional consumer action to engage during normal operation of the extendible element, for example, opening and closing the drawer to access the interior volume.	—	—	NA
4.6.1.1	Consumer action to reengage the interlock system after disengaging to allow removal of one or more extendible elements is allowed, for example, to install an anti-tip device or retrieve a lost sock.	—	—	NA

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Clause	Requirement	Result		Remark
		Pass	Fail	
4.6.1.2	An interlocked extendible element removed for such one-time action shall not require removal of components such as back panels and dust bottom to access the interlocking mechanism during reengagement. Reengagement shall not require tools unless those tools are also required for disengagement.	—	—	NA
4.6.1.3	An interlocked extendible element removed for such one-time action shall either: (1) Not be fully functional when reinstalled until the interlock is reengaged. (For example, it will not fully close or ride on tracks if interlock is not reengaged—which can be an automatic action when reinstalled in case.); or (2) Include a separate warning or warnings as described in 10.2.3.10.	—	—	NA
4.6.2	Interlocks shall not require consumer assembly and/or installation if the unit is shipped assembled, except as allowed in 4.6.1.1	—	—	NA
4.6.3	Consumer assembly and/or installation of interlock components as part of the normal consumer assembly process is allowed for items shipped/sold unassembled.	—	—	NA
4.6.4	When tested to 9.1, the extendible element shall be considered interlocked to the open extendible element if either: 1) It remains closed during the test and is functional after tested extendible element is closed; 2) Its opening acts to close the extendible element originally open.	—	—	NA

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Clause	Requirement	Result		Remark
		Pass	Fail	
9.2	Stability Requirements			
9.2.1	<p>Simulated Clothing Load:</p> <p>Position the empty unit on test surface described in 8.2.1. For units with levelers, adjust the unit per 8.1.2. 9.2.1.2 If 50 % or more of the storage volume is extended, determine the weight for loading the extendable elements and/or space behind the doors based on the volume calculated in 5.4. Load per 8.3.3. See Fig. 8(B). If less than 50 % of the storage volume is extended, the unit shall remain empty. 9.2.1.3 Open all doors and extend all available extendable elements in accordance with 8.1.3. Elements shall remain open for 30 s.</p> <p>Requirement: The unit shall not tip over or be supported by any component unless that component was specifically designed for that purpose.</p>	X		

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Clause	Requirement	Result		Remark
		Pass	Fail	
9.2.2	<p>Simulated Horizontal Dynamic Force:</p> <p>Force Application on Extendible Element— Where the extendible element has been determined to have the highest hand-hold height, not to exceed 56 in. Apply a 10 lbf horizontal force, parallel to the direction of outward motion, at the highest hand-hold, not to exceed 56 in. on the extendible element most likely to cause tipover. The force shall be applied within 1/4 in. of the top edge of a drawer or to the center of the pull area of the extendible element, whichever is higher but less than 56 in. over a period of at least 5 s and held for 10 s.</p> <p>Force Application on Door with Handle/pull— Where the door handle/pull has been determined to be the highest reach point not to exceed 56 in. Apply a 10 lbf horizontal force, parallel to the direction of initial outward motion, at a height not exceeding 56 in. to the handle or pull. The force shall be applied over a period of at least 5 s and held for 10 s. The door shall be in a position most likely to cause the unit to tip over. If the door handle or pull exceeds the max reach height, follow 9.2.2.1(3). 9.2.2.3 If the door pull/handle height and the extendible element height are the same, it is permissible to test either component.</p> <p>Requirement: The unit shall not tip over or be supported by any component unless that component was specifically designed for that purpose.</p>	X		


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Clause	Requirement	Result		Remark
		Pass	Fail	
9.2.3	<p>9.2.3 Simulating a Reaction on Carpet with Child Weight: Position the empty unit on test surface. Place the test block(s) under the unit's most rear floor support(s), such as a leg, foot, or upright. Open all doors and extend all available extendible elements in accordance with 8.1.3. Gradually, over a period of at least 5 s, apply the test apparatus without impact over the top of the door or extendible element most likely to cause tip over Allow the test apparatus to rest without additional support for 30 s. If it is not apparent which door, extendible element, or for clothing storage units with interlock(s), the combination of open and closed extendible elements is most likely to cause tip over, perform multiple tests.</p> <p>Requirement: The unit shall not tip over or be supported by any component unless that component was specifically designed for that purpose.</p>	X		
9.3	Permanency of Labels and Warnings Testing:			
9.3.1	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.	—	—	The permanent for label cannot be verify due to only artwork was provided
9.3.2	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.	—	—	NA
9.3.3	Adhesion Test for Warnings Applied Directly onto the Surface of the Product: Apply the tape test defined in Test Method B – Cross-Cut Tape Test of Test Methods D3359 eliminating parallel cuts. Perform this test once in each different location where warnings are applied. 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.	—	—	NA
10	Marking and Labeling			
10.1	Warnings on Product: 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 warnings shall be applied on one surface, not wrapped or folded around or over corners.	X		




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Clause	Requirement	Result		Remark
		Pass	Fail	
10.2.1	<p>Warnings Format and Content: The warnings shall be formatted in a manner consistent with ANSI Z535.4.</p>  <p>FIG. 16 Example Warnings for Clothing Storage Units that are Not Designed and Intended by the Manufacturer to be Used with a TV.</p>	X		

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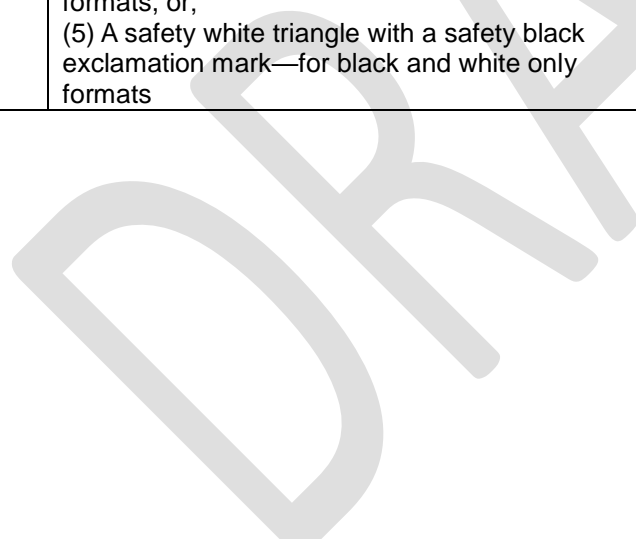
Clause	Requirement	Result		Remark
		Pass	Fail	
	 <p style="text-align: center;">Black/White Version</p>  <p>FIG. 17 Example Warnings for Clothing Storage Units that are Designed and Intended by the Manufacturer to be Used with a TV</p>  <p>FIG. 18 Example Warning for a Unit with Interlocks and Not Designed and Intended by the Manufacturer to be Used with a TV</p>	X		

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Clause	Requirement	Result		Remark
		Pass	Fail	
10.2.2	<p>The signal word panel shall include the Safety Alert Symbol “—</p>	—	The information of artwork label meets the requirements (The “WARNING” capital letter height for label cannot be verify due to only artwork was provided)	



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Clause	Requirement	Result		Remark
		Pass	Fail	
10.2.3	<p>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.</p> <p>The warning message panel shall begin with the following statement in bold face type. Children have died from furniture tip over. To reduce the risk of furniture tip over:</p> <p>The warning message panel shall include the following statements, preceded by a bullet point, in the order given. ALWAYS install anti-tip device provided.</p> <p>Television use shall be addressed in the warnings by following either (1) or (2). (1) For clothing storage units that are not designed and intended by the manufacturer to be used with a TV shall state: NEVER put a TV on this product. (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. This may be done within the other warnings as shown in the examples or separately to comply with other standards. In either case, all warnings must be conspicuous as defined in 10.1.1.1.</p> <p>NEVER allow children to stand, climb, or hang on any drawers, doors, or shelves. It is permissible to exclude any feature not included on the unit. NEVER open more than one drawer at a time. It is permissible to exclude any feature not included on the unit.</p> <p>When the unit includes interlocking drawers: DO NOT defeat or remove the drawer interlock system; it is an important stability and safety system. Units that do not include interlocking drawers shall not use this statement. It is permissible to remove "drawer," add the appropriate parts and features to this statement, or to address any specific use characteristics of the interlock system.</p> <p>Place heaviest items in the lowest drawers. It is permissible to change drawers to a term/location better matching the unit. The following statement is required below all other text, in italic letters: <i>This is a permanent label. Do not remove!</i></p>	—	—	<p>The information of artwork label meets the requirements (The text capital letter height for label cannot be verify due to only artwork was provided)</p>

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Clause	Requirement	Result		Remark
		Pass	Fail	
	<p>Alternatively, the following shall be used when markings other than a label are used and may be used with any marking type: This warning is permanent. Do not remove! The statement may not be larger type than any other wording on the warning.</p> <p>For units with interlock systems described in 4.6.1.3(2), a warning addressing: DO NOT remove the interlock system except for maintenance as shown. NEVER use the unit without the interlock installed following the instructions. shall be added to each drawer in a location near the interlock hardware; instructions shall be shown or a location with instructions shall be referenced.</p>	—	—	The information of artwork label meets the requirements (The text capital letter height for label cannot be verify due to only artwork was provided)
10.2.4	<p>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. The child climbing prohibition symbol shown in Fig. 20 shall be used on all warning labels. The TV prohibition symbol shown in Fig. 21 shall be used on units that include the warning in 10.2.3.4(1)</p> <p>The contents of the warnings shall not be modified except as specifically indicated above and/or to include languages other than English.</p> <p>10.2.6</p> <p>The warnings shall be permanent when tested in accordance with 9.3.1, 9.3.2, or 9.3.3 as appropriate.</p>	—	—	The information of artwork label meets the requirements (The safety symbol panel and safety symbol for label cannot be verify due to only artwork was provided)

Note : NA = Not Applicable NR = Not Requested NT = Not Tested

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Exhibit:



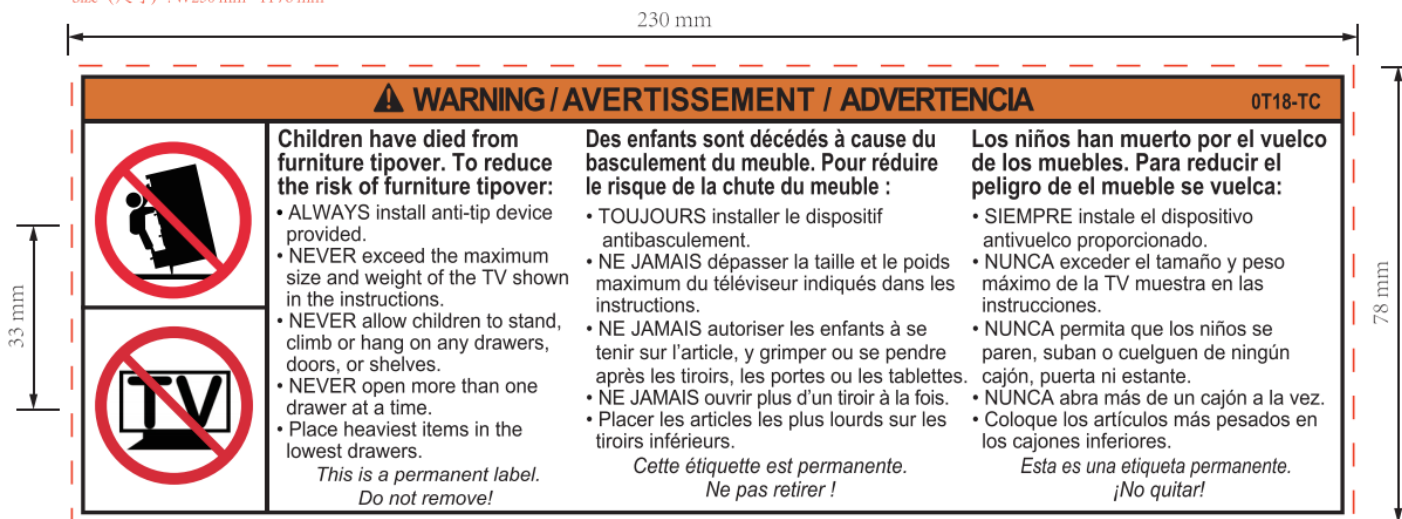
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Artwork label:

Permanent label with fragile paper. (易碎纸不可移标签).
 All text shall be a sans serif font, not less than 0.1 in. (2.5 mm) capital letter height.
 所有警告文字应该用无衬线字体 (如Arial、Tahoma、Verdana等), 大写字母字高不能小于2.5 mm.
 The warnings shall be in a conspicuous location when in use; 该警告应该贴在使用时显眼的位置。
 The back of the unit intended to be placed against the wall is not considered conspicuous when in use.
 如果产品的背部用于靠墙放置则背部不能被看作是使用时显眼位置。
 Size (尺寸) : W230 mm * H 78 mm



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NOTE:

Test uncertainties not reported are at client's disposal, for those in which it is possible to evaluate or estimate the test uncertainty. The statement of conformity is based on a 95% coverage probability for the expanded uncertainty of the measured result (guard band):

Rule 1:

For any requirement state to be "Maximum"

PASS - The measured result is below a specification limit minus guard band.

INCONCLUSIVE - The measured result is inside the guard band and below the specification limit and the measured result is above the specification limit but below the specification limit added to the guard band.

FAIL - The measured result is above a specification limit added to the guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

Rule 2:

For any requirement state to be "Minimum"

PASS - The measured result is above a specification limit plus guard band.

INCONCLUSIVE - The measured result is inside the guard band and above the specification limit and the measured result is below the specification limit but above the specification limit added to the guard band.

FAIL - The measured result is below a specification limit minus guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

Rule 3:

For any requirement state to be "a range (Between Upper to Lower specification limit)"

PASS - The measured result is within a range of upper and lower acceptance limit.

INCONCLUSIVE - The measured result is inside the guard band at either side of specification limits

FAIL - The measured result is outside a specification limit minus/added to the guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

Rule 4:

For any test based on subjective grading of results by using 9-point scale

PASS - The measured result is above specification limit.

FAIL - The measured result is below a specification limit.

DATA - There is no specification limit required which is not possible to state the conformity.

If there is question or concern regarding the above results, please contact the appropriate lab person below:

Contact: Qiu Dan, Vanna

TEL: (86)769 8112 0818 Ext.707

Email: Vanna.Qiu@cpt.eurofinscn.com

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