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: Huizhou Jinghui Xin Home Furnishing Co., Ltd **Applicant** 

: Building C3, Factory Building, Shunju Group, Qiuchang Chayuan, Huiyang District, Address

Huizhou, China

: Huizhou Jinghui Xin Home Furnishing Co., Ltd Manufacturer

: Building C3, Factory Building, Shunju Group, Qiuchang Chayuan, Huiyang District, **Address** 

Huizhou, China

The following sample(s) was /were submitted and identified on behalf of the clients as:

Sample Name : Cabinet with five drawers

Sample Model : CBN506

Age grading : 18 Years+

Sample Received Date : Mar. 05, 2024

**Testing Period** : Mar. 05, 2024 To Mar. 07, 2024

Selected test (s) in the selected parts as requested by client with **Test Requested** 

ASTM F 2057-23 Standard Safety Specification for Clothing Storage Units

**Test Method** : Please refer to next page(s).

**Test Result** : Please refer to next page(s).

Signed for and on behalf of



Tony Qian/ Approved Signatory

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Guangdong KEYS Testing Technology Co., Ltd.



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### **Summary of Test Results:**

TEST REQUEST	CONCLUSION			
-ASTM F 2057-23 Standard Safety Speci	P			
-CPSC - 15 U.S.C. § 12	P			
- USA 16 CFR Part 13 Bearing Lead- Contain	03 Ban of Lead Containing Paint and Certain Consumer Products ning Paint	Р		
- USA Consumer Producontaining Lead; Lead	uct Safety Improvement Act (CPSIA) Sec.101 Children's products paint rule	Р		
certain products contain	<ul> <li>USA Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified phthalates</li> <li>USA 16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing</li> </ul>			
-CPSA Section 14(a) (CPSA))	Р			
40 CFR PART 770—F PRODUCTS ASTM E1333-22 Stan Air and Emission Rate	P			
-As specified in title 1 commission of U.S.A				
1. 16 CFR 1500.50.5	P			
2. 16 CFR 1501 Sma	P			
3. 16 CFR 1500.48 S	P			
4. 16 CFR 1500.49 S	4. 16 CFR 1500.49 Sharp edge			
Remark:	P=Pass, NA=Not applicable, F=Fail			

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### Test Result(s):

### 1. ASTM F 2057-23

Standard Safety Specification for Clothing Storage Units

Clause	Testing Items	Assessment
4.	Performance Requirements	
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.	P
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.	P
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.	Р
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.	P
4.5	The anti-tip device provided shall meet the requirement of Specification F3096.	P
4.6	Interlock Requirements:	P
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.	P
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.	P
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.	P
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.	Р
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.	P

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Clause	Testing Items	Assessment
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.	P
4.6.4	When tested to 9.1, the extendible element shall be considered interlocked to the open extendible element if either:	P
4.6.4.1	It remains closed during the test and is functional after tested extendible element is closed; or	P
4.6.4.2	Its opening acts to close the extendible element originally open.	P
9.	Test Procedure	P
9.1	Test to Evaluate Interlock System:	P
9.2	Stability Test Methods:	P
9.2.1	Simulated Clothing Load:	P
9.2.2	Simulated Horizontal Dynamic Force:	P
9.2.3	Simulating a Reaction on Carpet with Child Weight:	P
9.3	Permanency of Labels and Warnings Testing:	P
10.	Marking and Labeling	P
10.1	Warnings on Product:	P
10.1.1	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 warnings shall be applied on one surface, not wrapped or folded around or over corners.	P
10.1.1.1	The warnings shall be considered conspicuous when in use when at least one of the following conditions is met:  (1) The warnings are inside a drawer box on a drawer side with the top of the signal word panel 0.5 in. (12.7 mm) or less from the top of the drawer side and the border or edge of the label 3 in. (76 mm) or less from the back of the drawer front; they are not required to be visible on all drawers. It is permissible for the warnings to be on either drawer side. Or,  (2) The warnings are visible anywhere on the open door or on the cabinet side adjacent	Р

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Clause	Testing Items	Assessment
	to the door no more than 1 in. (25 mm) from the doors closed position or the structure of the unit, whichever is farther from the front, when any hinged door, not each door, is open; they are not required to be visible behind all doors. Or,	
	(3) The warnings are visible on the cabinet side adjacent to the door no more than 1 in. from the door's closed position when any sliding door, not each door, is fully open, or the structure of the unit near the door, whichever is farther from the front. If doors have different distances from the front, this dimension shall apply to the farthest back door; they are not required to be visible behind all doors. Or,  (4) The warnings from 10.2.3.1 and 10.2.3.3 and the symbol from Fig. 20 shall meet Condition 1 and contain language directing the user to the bottom of the same drawer and the full warning shall be on the inside face of the drawer bottom.	
10.1.1.2	For units shipped requiring consumer assembly, it is permissible for the warnings to be on parts that can be installed in other locations; the location shall be considered acceptable if it would meet these location requirements in any possible location even if it does not meet them in all locations. For example, if a drawer side can be installed as the left or right side but the conditions in 10.1.1.1(1) are met, only when installed on the right it is acceptable.	P
10.2	Warnings Format and Content:	P
10.2.1	The warnings shall be formatted in a manner consistent with ANSI Z535.4. See Fig. 16, Fig. 17, and Fig. 18 for examples.	P
10.2.2	The signal word panel shall include the Safety Alert Symbol "and state "WARNING".	P
10.2.2.1	"WARNING" shall be 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.	P
10.2.2.2	The Safety Alert Symbol is composed of an equilateral triangle surrounding an exclamation mark. It shall be presented in one of five color formats when used with the WARNING signal word:  (1) A safety black triangle with a safety orange exclamation mark, or;  (2) A safety yellow triangle with a safety black border and safety black exclamation mark—to allow consistency with certain ISO standards, or;  (3) A safety yellow triangle with a safety black exclamation mark and a yellow border	P

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Clause	Testing Items	Assessment			
	around a safety black band—to allow consistency with certain ISO standards, or;				
	(4) A safety black triangle with a safety white exclamation mark—for black and white				
	only formats, or;				
	(5) A safety white triangle with a safety black exclamation mark—for black and white				
	only formats.				
	In the following sections, the plain type is descriptive information; bold type is used				
10.2.2	for the required warning statements. The warning statements, unless otherwise noted,	D.			
10.2.3	shall be included as stated. All text shall be a sans serif font, not less than 0.1 in. (2.5	P			
	mm) capital letter height. The text shall be safety black letters on a safety white				
	background or the letters shall contrast the background.				
10.2.3.1	The warning message panel shall begin with the following statement in bold face type.  Children have died from furniture tipover. To reduce the risk of furniture	P			
10.2.3.1	tipover:	Г			
	The warning message panel shall include the following statements, preceded by a				
10.2.3.2	bullet point, in the order given.	P			
10.2.3.3	ALWAYS install anti-tip device provided.	P			
10.2.3.3		1			
	Television use shall be addressed in the warnings by following either 10.2.3.4(1) or				
	10.2.3.4(2).				
	(1) For clothing storage units that are not designed and intended by the manufacturer				
	to be used with a TV shall state:				
10.2.3.4	NEVER put a TV on this product.	P			
	(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. See Appendix X1				
	for reference.				
	NEVER allow children to stand, climb, or hang on any drawers, doors, or				
10.2.3.5	shelves. It is permissible to exclude any feature not included on the unit.	P			
	NEVER open more than one drawer at a time. It is permissible to exclude any	_			
10.2.3.6	feature not included on the unit.	P			
10.2.3.7	When the unit includes interlocking drawers: <b>DO NOT defeat or remove the drawer</b>				
	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	P			
	"drawer," add the appropriate parts and features to this statement, or to address any				
	specific use characteristics of the interlock system.				

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Clause	Testing Items	Assessment
10.2.3.8	Place heaviest items in the lowest drawers. It is permissible to change drawers to a term/location better matching the unit.	P
10.2.3.9	The following statement is required below all other text, in italic letters: <b>This is a permanent label. Do not remove!</b> Alternatively, the following shall be used when markings other than a label are used and may be used with any marking type: <b>This warning is permanent. Do not remove!</b> The statement may not be larger type than any other wording on the warning.	Р
10.2.3.10	For units with interlock systems described in 4.6.1.3(2), a warning addressing: <b>DO NOT remove the interlock system except for maintenance as shown. NEVER use the unit without the interlock installed following the instructions.</b> 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
10.2.4	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.	P
10.2.4.1	The child climbing prohibition symbol shown in Fig. 20 shall be used on all warning labels.	P
10.2.4.2	The TV prohibition symbol shown in Fig. 21 shall be used on units that include the warning in 10.2.3.4(1).	P
10.2.5	The contents of the warnings shall not be modified except as specifically indicated above and/or to include languages other than English.	P
10.2.6	The warnings shall be permanent when tested in accordance with 9.3.1, 9.3.2, or 9.3.3 as appropriate.	P

Remark: 1. P=Pass, 2. NA= Not Applicable, 3. F=Fail



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### 2.1 CPSIA Total Lead:

Consumer Product Safety Improvement Act 2008 (CPSIA)(H.R.4040) Section 101

Children's products containing lead; lead paint rule.

CPSC - 15 U.S.C. § 1278a. Children's products containing lead; lead paint rule

USA 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead-

**Containing Paint** 

### **Sample Description:**

No.	Description
1	Wood Plank
2	Black Paint
3	Metal Handle
4	White Paint

### **Test Method and Test Equipment:**

Test Item	Test Method	Test Equipment
Total Lead(Non-Metal products)	CPSC-CH-E1002-08	ICP-OES
Total Lead(Metal products)	CPSC-CH-E1001-08	ICP-OES
Paint and Other Similar Surface Coatings	CPSC-CH-E1003-09.1	ICP-OES

#### **Test Result:**

No.	Test Item	Unit	MDL	Limit	Result
1	Total Lead(Non-Metal products)	mg/kg	5	100	N.D.
2	Total Lead(Paint)	mg/kg	5	90	N.D.
3	Total Lead(Metal products)	mg/kg	5	100	N.D.
4	Total Lead(Paint)	mg/kg	5	90	N.D.

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**Note:** 1. mg/kg = ppm

2. N.D.= Not Detected(<MDL)

3. MDL = Method Detection Limit

#### 2.2. Phthalates Content Test

- USA Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified phthalates
- USA 16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates

### **Test Method and Test Equipment:**

Test Item	Test Method	Test Equipment
Phthalate	CPSC-CH-C1001-09.3	GC-MS

### **Test Result:**

Total Manus (a)	II	Unit Limit M		Result				
Test Item(s)	Unit Limit	MDL	No.1	No.2	No.4			
Dibutyl Phthalate(DBP)	mg/kg	1000	30	N.D.	N.D.	N.D.		
Benzylbutyl Phthalate (BBP)	mg/kg	1000	30	N.D.	N.D.	N.D.		
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	1000	30	N.D.	N.D.	N.D.		
Diisononyl Phthalate(DINP)	mg/kg	1000	30	N.D.	N.D.	N.D.		
Di-iso-butyl ortho-phthalate (DIBP)	mg/kg	1000	30	N.D.	N.D.	N.D.		
Di-n-pentyl phthalate (DPENP)	mg/kg	1000	30	N.D.	N.D.	N.D.		
Di-n-hexyl phthalate (DHEXP)	mg/kg	1000	30	N.D.	N.D.	N.D.		
Dicyclohexyl phthalate (DCHP)	mg/kg	1000	30	N.D.	N.D.	N.D.		

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Note: 1. mg/kg = ppm

2. N.D.= Not Detected(<MDL)

3. MDL = Method Detection Limit

### 3. Formaldehyde release

40 CFR PART 770—FORMALDEHYDE STANDARDS FOR COMPOSITE WOOD PRODUCTS

ASTM E1333-22 Standard Test Method for Determining Formaldehyde Concentrations in Air and

Emission Rates from Wood Products Using a Large Chamber

Temperature of the chamber: 23°C, R.H.: 50 %

Air Change rate, n[h-1]: 0.5

The environment temperature: 25°C

Emission Test Results after 3 Days

#### Result

Sample No.	Unit	MDL	Limit	Test Result
Wood Plank	mg/m³	0.002	0.21	0.05

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### 4. As specified in title 16, code of federal regulations, chapter II- consumer products Safety commission

### of U.S.A

ApplicableSection	Description	Result
16 CFR 1500.50.51.52.53	Normal use testing	P
	Abuse testing	
	Impact test	P
	Bite test	NA
	Flexure test	P
	Torque test (53e)	P
	Tension test (53f)	P
	Compression test(53g)	P
16 CFR 1501	Identifying toys and other articles intended for use by Children	
	under 3 years of age which present choking, aspiration, or	NA
	ingestion hazards because of small parts.	
16 CFR 1500.48	Technical requirements for determining a sharp point in toys	
	and other articles intended for use by children under8 years of	NA
	age.	
16 CFR 1500.49	Technical requirements for determining a sharp metal or glass	
	edge in toys and other articles intended for useby children	NA
	under 8 years of age.	

Remark: NA=Not applicable, P=Pass, F=Fail

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### 5. As specified in Consumer Product Safety Act (CPSA) of Section 14(a)(5) Tracking Label for children's products

Description	Result
a) Is the product intended for children under 12 years? If no, the section is not applicable.	N
b) Is the product under the exemption of marking on children's product?	N
1. Product is too small to be marked.	N
2. Products stay with or be contained in their original packaging.	N
3. Product is sold through a bulk vending matching.	N
4. Physical mark would weaken or damage the product or impair its utility.	N
5. Product surface would be impossible to mark permanently.	N
6. Aesthetics of the product would be ruined by a mark.	N
c) Is the product and packaging or only packaging (for product exempted from the marking) marked below information?	P
1) Name of the manufacturer or the name of the private labeler.	Y
2) Manufacturer or private labeler location, including the name of the country, and the name or other means of coding of city and state.	Y
3) Date of production of the product, in a form of MM/ YY or any other coding system.	Y
4) Cohort information (including the batch, run number, or another identifying characteristic).	Y
d) Is the label permanent after below permanency testing?	P

Remark: P = Pass, F = Fail, Y = Yes, N = No

Note: The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.

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### 6. Tracking labels for children's products

Product Label		
Manufacturer	Huizhou Jinghui Xin Home Furnishing Co.	
Address	Building C3, Factory Building, Shunju Group, Qiuchang Chayuan, Huiyang District, Huizhou, China	
Sample Name	Cabinet with five drawers	
Sample Model	CBN506	
Age grading	18 Years+	
Production date	January 17, 2024	
Address of production	Huizhou, Guangdong Province, China	

### WARNING



furniture tipover. To reduce the risk of furniture tipover:

- -ALWAYS install Anti-tip device provided.
- -NEVER put a TV on this product.
- -NEVER allow children to stand, climb or hang on drawers, doors, or shelves.
- -NEVER open more than one drawer at a time.
- -Place heaviest items in the lowest drawers.

This is a permanent label. Do not remove!



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### **Sample Photo:**





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